

Technical Regulations TR CU 007/2011

In accordance with Article 13 of the Agreement on Common Principles and Rules of Technical Regulation in the Republic of Belarus, the Republic of Kazakhstan and the Russian Federation of 18 November 2010, the Customs Union Commission (hereinafter, the Commission) **has decided:**

1. To adopt the Technical Regulation of the Customs Union "On the Safety of Products Intended for Children and Adolescents" (TR CU 007/2011) (attached).

2. To approve:

2.1. The list of standardization documents whose voluntary application ensures compliance with the requirements of the Technical Regulation of the Customs Union "On the Safety of Products Intended for Children and Adolescents" (TR CU 007/2011) (attached);

2.2. The list of standardization documents containing the rules and methods of research (testing) and measurement, including sampling rules, necessary for the application and implementation of the requirements of the Technical Regulation of the Customs Union "On the Safety of Products Intended for Children and Adolescents" (TR CU 007/2011) and for the conformity assessment of objects of technical regulation (attached).

Footnote. Paragraph 2.2 as amended by Decision of the Board of the Eurasian Economic Commission No. 175 of 19.12.2017 (enters into force upon expiry of 30 calendar days from the date of its official publication).

3. To establish that:

3.1. The Technical Regulation of the Customs Union "On the Safety of Products Intended for Children and Adolescents" (hereinafter, the

Technical Regulation) enters into force on 1 July 2012;

3.2. Documents on conformity assessment (confirmation) with mandatory requirements established by regulatory legal acts of the Customs Union or by the legislation of a Member State of the Customs Union, issued or adopted in respect of products that are an object of technical regulation of the Technical Regulation (hereinafter, products) before the date of entry into force of the Technical Regulation, shall be valid until the end of their period of validity, but not later than 15 February 2014. The said documents issued or adopted before the date of official publication of this Decision shall be valid until the end of their period of validity.

From the date of entry into force of the Technical Regulation, the issuance or adoption of documents on conformity assessment (confirmation) of products with mandatory requirements previously established by regulatory legal acts of the Customs Union or by the legislation of a Member State of the Customs Union shall not be permitted;

3.3. Until 15 February 2014, the manufacture and placing on the market of products in accordance with mandatory requirements previously established by regulatory legal acts of the Customs Union or by the legislation of a Member State of the Customs Union shall be permitted, provided there are documents on conformity assessment (confirmation) of the products with the said mandatory requirements issued or adopted before the date of entry into force of the Technical Regulation.

Such products shall be marked with the national conformity mark (market circulation mark) in accordance with the legislation of a Member State of the Customs Union or with Commission Decision No. 386 of 20 September 2010.

Marking of such products with the single mark of products circulation on the market of the Member States of the Customs Union shall not be permitted;

3.3-1. Until 1 January 2013, the manufacture and placing on the market in the customs territory of the Customs Union of products that, before the date of entry into force of the Technical Regulation, were not subject to mandatory conformity assessment (confirmation) under regulatory legal acts of the Customs Union or the legislation of a Member State of the Customs Union shall be permitted without documents on mandatory conformity assessment (confirmation) and without marking with the national conformity mark (market circulation mark).

3.4. The circulation of products placed on the market during the period of validity of the documents on conformity assessment (confirmation) referred to in subparagraph 3.2 of this Decision, as well as of the products referred to in subparagraph 3.3-1 of this Decision, shall be permitted during the shelf life (service life) of the products established in accordance with the legislation of a Member State of the Customs Union.

Footnote. Paragraph 3 as amended by Decision of the Board of the Eurasian Economic Commission No. 90 of 22.06.2012 (enters into force upon expiry of 30 calendar days from the date of its official publication).

4. The Commission Secretariat, jointly with the Parties, shall prepare a draft Action Plan necessary for the implementation of the Technical Regulation and, within three months from the date of entry into force of this Decision, ensure its submission to the Commission for approval in accordance with the established procedure.

5. The Russian Party, with the participation of the Parties, on the basis of monitoring the results of the application of standards, shall ensure the preparation of proposals for updating the lists of standardization documents referred to in paragraph 2 of this Decision and their submission, at least once a year from the date of entry into force of the Technical Regulation, to the Commission Secretariat for approval by the Commission in accordance with the established procedure.

Members of the Customs Union Commission:

<i>For the Republic of Belarus</i>	<i>For the Republic of Kazakhstan</i>	<i>For the Russian Federation</i>
<i>S. Rumas</i>	<i>U. Shukeyev</i>	<i>I. Shuvalov</i>

APPROVED
by Decision of the Commission
of the Customs Union
No. 797 of 23 September 2011

TECHNICAL REGULATION OF THE CUSTOMS UNION

TR CU 007/2011

On the Safety of Products Intended for Children and Adolescents

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Foreword

1. The Technical Regulation of the Customs Union "On the Safety of Products Intended for Children and Adolescents" has been developed in accordance with the Agreement on Common Principles and Rules of

Technical Regulation in the Republic of Belarus, the Republic of Kazakhstan and the Russian Federation of 18 November 2010.

2. This Technical Regulation has been developed for the purpose of establishing, within the single customs territory of the Customs Union, uniform requirements, mandatory for application and compliance, for products intended for children and adolescents, and of ensuring the free movement of products intended for children and adolescents placed on the market within the single customs territory of the Customs Union.

3. If other Technical Regulations of the Customs Union and (or) Technical Regulations of the Eurasian Economic Community (hereinafter referred to as EurAsEC) establishing requirements for products intended for children and adolescents are adopted in respect of products intended for children and adolescents, then products intended for children and adolescents shall comply with the requirements of those Technical Regulations of the Customs Union and (or) Technical Regulations of EurAsEC that apply to them.

Article 1. Field of Application

1. This Technical Regulation applies to products intended for children and adolescents that have not previously been in use (new) and are placed on the market in the territory of the Member States of the Customs Union.

The products covered by this Technical Regulation include:

childcare products (feeding teats, pacifiers, tableware, cutlery, sanitary and hygiene products and haberdashery items, single-use sanitary and hygiene products, toothbrushes and gum massagers);

clothing, products made of textile materials, leather and fur, knitwear and finished piece textile products;

footwear and leather goods; children's prams and bicycles;

published books and magazines, school and writing supplies. The requirements of this Technical Regulation are established for products according to the list in Annex 1.

This Technical Regulation does not apply to: products developed and manufactured for medical use; food products for children; perfumery and cosmetic products; sports products and equipment;

study aids, textbooks, electronic educational publications;

toys, printed board games;

furniture,

products manufactured to individual order.

Footnote. Article 1 as amended by Decision of the Council of the Eurasian Economic Commission No. 147 of 23.09.2022 (enters into force upon expiry of 180 calendar days from the date of its official publication).

2. This Technical Regulation establishes mandatory safety requirements for products intended for children and adolescents in terms of chemical, biological, mechanical and thermal safety indicators, in order to protect the life and health of children and adolescents and to prevent actions that mislead product users.

Article 2. Definitions

The following terms and their definitions are used in this Technical Regulation:

"biological safety" means the state of a product in which there is no unacceptable risk of harm to the health or threat to the life of the user due to non-compliance of its microbiological, toxicological, physical and physicochemical properties with the established requirements;

"biologically safe publication" means a publication which, during reading, provides optimal conditions for visual work and does not cause visual fatigue associated with the visual perception of the text, strain on visual acuity, accommodation and eye movement;

"harmful substances" means chemical substances which, during the use of a product, may cause adverse deviations in the user's state of health when their content in the material of the product exceeds the permissible concentrations of such substances;

"release of products into circulation" means placing on the market of the member states of the Customs Union of products dispatched from the warehouse of the manufacturer, the seller or a person performing the functions of a foreign manufacturer, or shipped without warehousing, or exported for sale on the territory of the member states of the Customs Union;

"children" means users of products under 14 years of age;

"product identification" means the procedure of assigning products for children and adolescents to the field of application of this Technical Regulation of the Customs Union and of establishing the conformity of the products with their technical documentation;

"manufacturer" means a legal entity or a natural person acting as an individual entrepreneur who, in their own name, manufactures products for children and adolescents for subsequent sale and is responsible for their compliance with the safety requirements of this Technical Regulation;

products for occasional use – products intended for continuous wear for not more than 4 hours not more than 2 times a week, with the relevant information indicated in the product marking;

"importer" means a resident of a member state of the Customs Union who has concluded a foreign trade contract with a non-resident of a member

state of the Customs Union for the transfer of products for children and adolescents, sells these products and bears liability for their compliance with the safety requirements of this Technical Regulation;

"toxicity index" means an integral indicator of the effect of harmful substances, determined on a cell culture;

"mechanical safety" means a set of quantitative indicators of the mechanical properties and design characteristics of a product that ensures a reduced risk of harm to the health or threat to the life of the user;

"newborns" means children aged up to and including 28 days;

"circulation of products for children and adolescents on the market" means the movement of these products from the manufacturer to the user, covering all the processes that the said products undergo after completion of their manufacture;

"adolescents" means users of products aged from 14 to 18 years;

"users of products" means children and adolescents personally using products that are the object of this Technical Regulation;

"intended use" means the use of products for children and adolescents in accordance with the name and (or) intended purpose indicated by the manufacturer in the marking of these products and (or) in the operating documents;

"risk" means the combination of the probability of harm and the consequences of that harm for human life or health, property, the environment, or the life or health of animals and plants;

"sports products" means products that provide the necessary conditions for organising and holding competitions and training in various sports;

"type sample" – a sample representing products of the same kind by intended purpose, intended for one or several age groups and produced by one manufacturer from materials of the same type.

If the dimensions of the type sample and (or) the technological operations performed during its manufacture do not allow testing to be carried out in full, a sample (samples) of the material (materials) from which this sample is made shall be used as the type sample for testing.

When testing a fur product, the use as the type sample of a fur skin (fur skins) identical in species and method of dressing to the skins from which the given fur product is made is permitted;

"person authorised by the manufacturer" means a legal entity or natural person registered in accordance with the established procedure by the State of a Party, designated by the manufacturer on the basis of a contract with it to act on its behalf in conformity confirmation and in placing products on the customs territories of the States of the Parties, and also to bear liability for non-compliance of products with the requirements of the Technical Regulations of the Customs Union;

"chemical safety" means the state of a product in which there is no unacceptable risk of harm to the health or threat to the life of the user due to the concentration level of chemical substances harmful to the user's health being exceeded.

Where a chemical safety indicator is set as "not permitted", it is mandatory to state the detection limit of the harmful substances according to the measurement procedures approved for use in monitoring sanitary-chemical indicators.

Footnote. Article 2 as amended by decisions of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force upon expiry of 12 months from the date of its official publication); of 23.09.2022 No. 147 (enters into force upon expiry of 180 calendar days from the date of its official publication).

Article 3. Rules of Circulation on the Market

1. Products for children and adolescents shall be released into circulation on the market of the Customs Union member states if they conform to this Technical Regulation and to other Technical Regulations of the Customs Union that apply to them; in addition, they shall undergo the mandatory conformity confirmation procedure and shall be marked with the single mark of circulation of products on the market of the Customs Union member states.

2. Products for children and adolescents whose conformity with the requirements of this Technical Regulation has not been confirmed shall not be marked with the single mark of circulation of products on the market of the Customs Union member states and shall not be permitted for release into circulation on the market.

Article 4. Safety requirements for childcare products

1. Childcare products shall meet the following general safety requirements:

the toxicity index determined in an aqueous medium (distilled water) shall be within the range of 70 to 120 percent inclusive, or there shall be no local irritant effect on the skin and mucous membranes.

the change in pH of the aqueous extract shall not exceed $\pm 1,0$.

2. Feeding teats, pacifiers and sanitary and hygiene products made of latex, rubber and silicone elastomers shall meet chemical and mechanical safety requirements. The aqueous extract shall have no off-taste.

The release of chemical substances harmful to health shall not exceed the following limits:

when testing feeding teats and pacifiers made of silicone polymers:

lead - not permitted;

arsenic - not permitted;

formaldehyde - not permitted;

methyl alcohol - not permitted;

butyl alcohol - not permitted;

phenol - not permitted;

zinc - not more than 1,0 mg/dm³;

antioxidant (Agidol-2) - not more than 2,0 mg/dm ;

when testing latex and rubber feeding teats and pacifiers:

lead - not permitted;

arsenic - not permitted;

antioxidant (Agidol-2) - not more than 2,0 mg/dm³;

N-nitrosamine (extraction with methylene chloride) - not more than 10,0 µg/kg; N-nitrosatable substances (extraction with artificial saliva) - not more than 200,0 µg/kg; zimate (zinc dimethyldithiocarbamate) - not permitted; phthalic anhydride - not more than 0,2 mg/dm ; phenol - not permitted.

Feeding teats and pacifiers shall have smooth, seamless outer and inner surfaces, which shall not stick together after being boiled 5 times in distilled water.

A pacifier shall have a disc (shield). The strength of the connection between the ring and the bulb of the pacifier shall be not less than 40 N.

Sanitary and hygiene products made of rubber intended for childcare shall withstand disinfection 5 times, retain their appearance and shall not stick together. Products filled with liquid (hot-water bottles and other similar products) shall be leak-tight and shall not let water through. Sanitary and hygiene products made of rubber shall meet the chemical safety requirements in accordance with Annex No. 2.

3. Plastic tableware and cutlery shall not have sharp (cutting, piercing) edges or rims, unless this is determined by the functional purpose of the product. The sprue shall not protrude above the supporting surface. The protective and decorative coating of the product shall be resistant to wet treatment. Products intended for contact with food shall be resistant to a 1-percent acetic acid solution and to soap-alkaline solutions heated to a temperature of $60 \pm 5^{\circ}\text{C}$, retain their appearance and colour, and shall not deform or crack when exposed to water at a temperature of 65 to 75 $^{\circ}\text{C}$.

The cap of a feeding bottle and other similar products shall ensure that they are leak-tight and shall not let water through. The strength of the product shall be such that, after a product filled with water has been dropped 5 times from a height of 120 cm, no permanent deformation, cracks, chips or breakage are observed.

An off-taste and a change in colour of the aqueous extract of products intended for contact with food are not permitted.

Plastic tableware and cutlery shall meet the chemical safety requirements in accordance with Annex No. 3.

The manufacture of children's tableware that comes into contact with food using polycarbonate, polyvinyl chloride or melamine is not permitted.

4. In children's products intended for contact with food, the migration of chemical substances of hazard classes 1 and 2 (including aluminium, barium, boron, cadmium, cobalt, arsenic and lead) is not permitted.

The release of harmful substances contained in glass, glass-ceramic and ceramic tableware shall not exceed the following chemical safety values:

chromium - 0,1 mg/dm³;

manganese - 0,1 mg/dm³;

copper - 1,0 mg/dm³;

titanium - 0,1 mg/dm³;

zinc - 1,0 mg/dm³.

Tableware and cutlery intended for hot food shall be thermally stable and shall not break at temperature changes of 95 - 70 - 20 °C; feeding bottles and jars for baby food at temperature changes from 95 to 45 °C; bottles for dairy products at temperature changes from 65 to 25 °C. The heat resistance of earthenware with coloured glaze shall be not less than 115 °C, and with colourless glaze not less than 125 °C.

A coating applied to the inner surface of products in contact with food shall be acid-resistant. Decorative coatings shall not be applied to the inner surface of glass tableware.

Chips, cut-through edges, adhering pieces of glass, sharp or crumbling particles, through-cuts and foreign inclusions surrounded by cracks are not permitted on products.

Handles and decorative elements shall be firmly attached. The handle of a glass product shall withstand a load equal to the capacity of the product when the product is lifted by the handle for 1 minute. The handle of a ceramic product shall withstand a single load of a mass twice the mass of the water filling the product, using the handle-lifting method.

The release of harmful substances from metal tableware and cutlery intended for contact with food shall not exceed the following limits:

tableware and cutlery made of corrosion-resistant steel - iron - $0,3 \text{ mg/dm}^3$, nickel - $0,1 \text{ mg/dm}^3$, chromium - $0,1 \text{ mg/dm}^3$ and manganese - $0,1 \text{ mg/dm}^3$;

aluminium tableware with an etched, quartz and ground inner surface, including with a non-stick coating, - titanium - $0,1 \text{ mg/dm}^3$, iron - $0,3 \text{ mg/dm}^3$ and chromium - $0,1 \text{ mg/dm}^3$, aluminium not permitted, fluoride ion (total) not permitted for products with a non-stick coating;

tableware and cutlery made of aluminium with a surface clad with stainless steel - aluminium and lead - not permitted, copper - $1,0 \text{ mg/dm}^3$, zinc - $1,0 \text{ mg/dm}^3$, iron - $0,3 \text{ mg/dm}^3$, nickel - $0,1 \text{ mg/dm}^3$ and chromium - $0,1 \text{ mg/dm}^3$;

tableware and cutlery made of cupronickel or nickel silver with silver or gold plating - lead - not permitted, copper - $1,0 \text{ mg/dm}^3$, zinc - $1,0 \text{ mg/dm}^3$, nickel - $0,1 \text{ mg/dm}^3$, chromium - $0,1 \text{ mg/dm}^3$, manganese - $0,1 \text{ mg/dm}^3$ and iron - $0,3 \text{ mg/dm}^3$;

enamelled steel tableware, including tableware with a non-stick coating - boron, aluminium, cobalt, lead and arsenic - not permitted, nickel - $0,1 \text{ mg/dm}^3$, chromium - $0,1 \text{ mg/dm}^3$, manganese - $0,1 \text{ mg/dm}^3$, zinc - $0,1 \text{ mg/dm}^3$ and titanium - $0,1 \text{ mg/dm}^3$, fluoride ion (total) is not permitted for products with a non-stick coating;

paper and cardboard tableware (single-use) - ethyl acetate, formaldehyde, methyl alcohol, butyl alcohol, isobutyl alcohol, benzene, lead, arsenic - not permitted, acetaldehyde - $0,2 \text{ mg/dm}^3$, acetone - $0,1 \text{ mg/dm}^3$, toluene - $0,5 \text{ mg/dm}^3$, zinc - $1,0 \text{ mg/dm}^3$, chromium - $0,1 \text{ mg/dm}^3$, butyl acetate - $0,1 \text{ mg/dm}^3$, isopropyl alcohol - $0,1 \text{ mg/dm}^3$, xylenes (mixture of isomers) - $0,5 \text{ mg/dm}^3$

5.The release of harmful substances from metal sanitary and hygiene products and haberdashery articles shall not exceed: iron - $0,3 \text{ mg/dm}^3$, aluminium - $0,5 \text{ mg/dm}^3$ and lead - $0,03 \text{ mg/dm}^3$.

Metal sanitary and hygiene products shall be corrosion-resistant. Handles, decorative elements, fittings and coatings shall be securely attached.

6. Plastic sanitary and hygiene products and haberdashery articles (scissors, combs, brushes and other similar products) shall not have sharp (cutting, piercing) edges, unless this is determined by the functional purpose of the product.

Sanitary and hygiene products shall retain their appearance and colour and shall not deform or crack when exposed to water at a temperature of 65 to 75 °C. No rubbing off of the dye shall be observed when the product is wiped.

Handles shall be securely attached and shall withstand a static load at least 2 times the mass the product holds.

The widthwise deformation of a baby bath filled with water to three quarters of its height shall not exceed 1,5 percent.

Plastic sanitary and hygiene products and haberdashery articles shall comply with the chemical safety requirements in accordance with Annex 4.

7. Toothbrushes, electric toothbrushes powered by chemical current sources, gum massagers and similar oral care products shall comply with the chemical safety requirements in accordance with Annex 5.

Toothbrushes and electric toothbrushes powered by chemical current sources for children under 12 years of age shall be manufactured soft (stiffness less than 6 cN/mm²), and for children over 12 years of age and adolescents - of medium stiffness (stiffness not less than 6 cN/mm² and not more than 9 cN/mm² inclusive). The synthetic filaments in the brush tufts shall be free of burrs and have rounded ends. The tuft retention strength of toothbrushes shall be not less than 15 N. The product handle at its smallest cross-section shall withstand a load of not less than 0,40 J.

The surface of toothbrushes, electric toothbrushes powered by chemical current sources, gum massagers and similar oral care products shall be free of chips and cracks.

Toothbrushes, electric toothbrushes powered by chemical current sources, gum massagers and similar oral care products shall comply with the microbiological safety requirements in accordance with Annex 6.

Toothbrushes, electric toothbrushes powered by chemical current sources, gum massagers and similar oral care products shall comply with the biological safety requirements in accordance with Annex 7.

8. Single-use sanitary and hygiene products for childcare shall comply with the microbiological safety requirements in accordance with Annex 6.

Sanitary and hygiene products containing gel-forming absorbent materials shall not exhibit a sensitising compression effect throughout a 24-hour period.

The release of harmful substances contained in sanitary and hygiene products containing gel-forming absorbent materials shall not exceed: acrylonitrile - 0,02 mg/dm³, acetaldehyde - 0,2 mg/dm³, acetone - 0,1 mg/dm³, benzene - 0,01 mg/dm³, hexane - 0,1 mg/dm³, methyl alcohol - 0,2 mg/dm³, propyl alcohol - 0,1 mg/dm³, toluene - 0,5 mg/dm³, phenol - 0,05 mg/dm³ or total phenols - 0,1 mg/dm³, formaldehyde - 0,1 mg/dm³, ethyl acetate - 0,1 mg/dm³, lead - 0,03 mg/dm³, zinc - 1,0 mg/dm³, arsenic - 0,05 mg/dm³ and chromium (III) and (VI) (total) - 0,1 mg/dm³.

The release of harmful substances contained in sanitary and hygiene products made of cellulose and cotton wool shall not exceed: acetaldehyde - 0,2 mg/dm³, acetone - 0,1 mg/dm³, benzene - 0,01 mg/dm³, methyl alcohol - 0,2 mg/dm³, butyl alcohol - 0,5 mg/dm³, toluene - 0,5 mg/dm³, formaldehyde - 0,1 mg/dm³, ethyl acetate - 0,1 mg/dm³, lead - 0,03 mg/dm³, zinc - 1,0 mg/dm³, arsenic - 0,05 mg/dm³ and chromium

(III) and (VI) (total) - 0,1 mg/dm³.

Article 5. Safety requirements for clothing, articles made of textile materials, leather and fur, knitwear and finished piece textile articles

1. According to their functional purpose, clothing and articles are divided into 1st-, 2nd- and 3rd-layer clothing and articles.

1st-layer clothing and articles include articles in direct contact with the user's skin, such as underwear and bed linen, corsetry and swimwear, headwear (summer), hosiery, handkerchiefs and headscarves, and other similar articles.

2nd-layer clothing and articles include articles in limited contact with the user's skin, in particular dresses, robes, aprons, blouses, shirts, sweaters, jumpers, shorts, headwear (except summer headwear), mitts (except leather ones)", after the word "gloves" add the words "(except leather ones), gloves, mittens, scarves, autumn-winter hosiery (socks, knee-length socks), unlined articles and articles in which the lining covers less than 40 percent of the outer surface area of the article (suits, trousers, skirts, jackets, blazers, waistcoats, pinafore dresses, bib overalls, overalls and other similar articles).

3rd-layer clothing and articles include coats, short coats, jackets, raincoats, envelope bags for newborns and other similar articles, as well as lined articles in which the lining covers at least 40 percent of the outer surface area of the article (suits, trousers, skirts, jackets, blazers, waistcoats, pinafore dresses, bib overalls, overalls and other similar lined articles).

The areas of the lining and of the outer surface of an article are determined excluding the area of pockets, collar, belt, cuffs, flaps, plackets, facings, ruffles, tabs, half-belts and other trimming parts; for

suits and sets, separately for each article.

2. For children under one year of age (size range: height up to 74 cm, chest girth up to 48 cm), clothing made of textile materials, knitwear and finished textile articles shall meet biological and chemical safety requirements.

1st-layer clothing and articles (bed linen, knitted and sewn articles made of textile materials) shall comply with the following standards:

hygroscopicity: not less than 14 percent;

air permeability: not less than $150 \text{ dm}^3/\text{m}^2\text{s}$; for articles made of flannel, flannelette and fleece-backed (brushed) knitted fabrics, not less than $70 \text{ dm}^3/\text{m}^2\text{s}$ is permitted;

free formaldehyde content: not more than $20 \mu\text{g/g}$;

colour fastness to washing, perspiration and dry rubbing: not less than 4 points.

2nd-layer clothing and articles (knitted and sewn articles made of textile materials) shall comply with the following standards:

hygroscopicity: not less than 10 percent (hygroscopicity is not determined for trimming parts and outer parts of 2nd-layer articles that are not in direct contact with the user's skin, if they are intended for decorating the outer side of the article; in lined clothing and articles, hygroscopicity is determined separately for the outer material and for the lining);

air permeability: not less than $100 \text{ dm}^3/\text{m}^2\text{s}$; for articles made of flannel, flannelette, fleece-backed (brushed) knitted fabrics and materials with polyurethane threads, not less than $70 \text{ dm}^3/\text{m}^2\text{s}$ is permitted (in lined clothing and articles, determined separately for the outer material and for the lining);

free formaldehyde content: not more than 20 µg/g;

colour fastness to washing, perspiration and dry rubbing: not less than 4 points.

3rd-layer clothing (knitted and sewn articles made of textile materials) shall comply with the following standards:

hygroscopicity (for the lining): not less than 10 percent;

air permeability (for the lining): not less than 100 dm³/m²s; for linings made of flannel, flannelette, denim and corduroy fabrics, and fleece-backed (brushed) knitted fabrics: not less than 70 dm³/m²s;

free formaldehyde content: not more than 20 µg/g;

colour fastness of outer materials to washing, perspiration, dry rubbing and distilled water: not less than 3 points; colour fastness of the lining to washing, perspiration and dry rubbing: not less than 4 points.

Unlined 3rd-layer clothing made of materials with an air permeability of less than 10 dm³/m²s shall have design features that provide air exchange.

Tests for the "air permeability" indicator are not performed on articles whose design (pinafore dresses, skirts, waistcoats, shorts) or material structure (loose weave, openwork) implies high air permeability, or on articles that have design features providing air exchange.

3. For children over one year of age and adolescents, clothing and sewn articles made of textile materials shall comply with biological and chemical safety requirements in accordance with Annex 8.

4. Textile materials for clothing and articles shall comply with the colour fastness requirements in accordance with Annex 9.

5. Articles for newborns and linen articles for children under 1 year of age shall be made of natural materials, except for fillings.

In linen articles for newborns, joining seams with overcast (overlocked) raw edges shall be placed on the right (outer) side.

External and decorative elements of articles for newborns and linen articles for children under 1 year of age (lace, broderie, appliqués and other similar elements) made of synthetic materials shall not come into direct contact with the child's skin.

6. The electrostatic field strength on the surface of articles is determined for 1st- and 2nd-layer articles made of pure wool, wool, wool-blend, synthetic and mixed materials, and shall not exceed 15 kV/m.

7. Textile materials for clothing and articles shall comply with chemical safety requirements in accordance with Annex 10.

The list of chemical substances to be controlled is determined depending on the chemical composition of the material and the type of article.

Harmful substances in 1st- and 2nd-layer clothing and articles are determined in an aqueous medium. Harmful substances in 3rd-layer clothing and articles are determined:

in coats, short coats, jackets, raincoats, overalls, bib overalls and other similar articles, in an air medium;

in other articles, in an aqueous medium;

in articles for newborns and children under 1 year of age, in aqueous and air media.

The toxicity index in tests in an aqueous medium shall be from 70 to 120 percent inclusive, and in an air medium from 80 to 120 percent inclusive, or there shall be no local skin-irritating effect in clothing and items of the

1st and 2nd layers.

The release of volatile chemical substances contained in textile materials treated with finishing agents shall not exceed the standards set out in Annex 11.

8. Leather items (clothing, headwear), as well as parts of items made of leather, shall meet the following requirements:

free formaldehyde content - not more than 20 µg/g;

water-extractable chromium (VI) content in leather is not permitted;

colour fastness of leather to dry rubbing - not less than 4 points; colour fastness of leather to wet rubbing, except for leather for gloves and mittens - not less than 3 points.

9. Textile materials used in leather clothing and leather headwear shall meet the biological and chemical safety requirements for textile materials set out in Annex 10.

10. Fur clothing, baby sleeping bags (envelopes), headwear, gloves, mittens and other similar fur items for children under 1 year of age shall meet the following requirements:

free formaldehyde content not more than 20 µg/g;

water-extractable chromium (VI) content is not permitted;

pH of the aqueous extract of the pelt (leather side) - not less than 3,5;

shrinkage temperature of the fur pelt (leather side) - not less than 50 °C;

colour fastness of the hair covering to dry rubbing - not less than 4 points; of the pelt (leather side) to dry rubbing - not less than 3 points.

11. Fur clothing and fur items for children over 1 year of age shall meet the safety requirements set out in Annex 12.

12. Textile materials in fur clothing and fur items shall meet the biological and chemical safety requirements for textile materials set out in Annex 10.

Footnote. Article 5 as amended by decisions of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force 12 months after the date of its official publication); of 23.09.2022 No. 147 (enters into force 180 calendar days after the date of its official publication).

Article 6. Safety Requirements for Footwear and Leather Goods

1. The safety of footwear and leather goods shall be assessed by the colour fastness of the materials used to dry and wet rubbing and to perspiration, as well as by the concentration of harmful substances released and by a set of physical and mechanical properties (weight, flexibility, bond strength of bottom components, deformation of the toe puff and heel counter of footwear, and breaking load of handle attachment points of leather goods).

2. Footwear shall not have a lining made of the following materials:

"- artificial and/or synthetic and/or composite leathers, in closed footwear for all sex and age groups;

- artificial and/or synthetic and/or composite leathers, in open footwear for nursery-age children and in small children's footwear;

- textile materials containing more than 20% chemical fibres, for nursery-age children and small children's footwear;

- artificial fur (except artificial fur with a wool fibre content in the pile of not less than 80 %) and flannelette, in winter footwear for nursery-age children.

- Footwear shall not have an insert insole made of the following materials:
- artificial and/or synthetic and/or composite leathers, in footwear for nursery-age children and in small children's footwear;
- textile materials containing more than 20% chemical fibres, for nursery-age children and small children's footwear.

In footwear for nursery-age children (except summer and spring/autumn footwear with a lining made of natural materials, as well as beach footwear and swimming-pool footwear), artificial and/or synthetic and/or composite leathers shall not be used as upper material.

3. The following is not permitted in footwear:

an open heel part for children under 3 years of age;

an unsecured heel part for children aged 3 to 7 years, except footwear intended for short-term wear.

4. Leather footwear, as well as footwear components made of leather, shall meet the following requirements:

free formaldehyde content - not more than 20 µg/g;

water-extractable chromium (VI) is not permitted;

colour fastness to dry rubbing - not less than 4 points;

colour fastness to wet rubbing - not less than 3 points;

colour fastness to perspiration - not less than 3 points.

5. Footwear shall comply with the biological and mechanical safety requirements in accordance with Annex 13.

The electrostatic field strength on the surface of footwear shall not exceed 15 kV/m.

6. Leather goods shall comply with the biological and mechanical safety requirements in accordance with Annex 14 (Tables 1, 2).

Leather goods made of leather shall meet the following requirements:

free formaldehyde content – not more than 20 µg/g;

water-extractable chromium (VI) in leather is not permitted.

7. School briefcases and school satchels shall have components and/or fittings with retroreflective elements on the front and side surfaces and on the top flap, and shall be made of materials in contrasting colours. School satchels for children of primary school age shall be equipped with a shape-retaining back.

8. The content of harmful substances in materials for satchels, bags, school backpacks and briefcases shall not exceed the limits set by the chemical safety requirements in accordance with Annex 14 (Table 3).

9. The content of harmful substances in materials for footwear and leather goods, except satchels, bags, school backpacks and briefcases, shall not exceed:

for fur - the limits set by the chemical safety requirements in accordance with Annex 12 to this Technical Regulation;

for leather - the limits established for footwear, clothing, headwear and leather goods;

for textile materials - the limits set by the chemical safety requirements in accordance with Annex 10 to this Technical Regulation;

for chemical and polymer materials - the limits set by the chemical safety requirements in accordance with Annex 15.

10. The release of harmful substances contained in the materials of footwear for children under 1 year of age, as well as of house, summer and

beach footwear, gloves and mittens, and small leather goods, shall be determined in an aqueous medium; in the materials of all other types of footwear and leather goods, in an air medium.

The toxicity index in tests in an aqueous medium shall be from 70 to 120 percent inclusive, and in an air medium from 80 to 120 percent inclusive, or the inner layers of footwear and the structural elements of leather goods in contact with the skin shall not produce a local skin-irritating effect on the body.

Footnote. Article 6 as amended by decisions of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication) and No. 147 of 23.09.2022 (enters into force 180 calendar days after the date of its official publication).

Article 7. Safety Requirements for Children's Strollers and Bicycles

1. Children's strollers shall be stable on horizontal and inclined planes (at an angle of 10°) and shall have braking and locking systems.

Children's strollers shall not have sharp edges, assemblies or parts that come into contact with the child. There shall be no open holes or gaps with a diameter greater than 5 mm and less than 12 mm. Open strollers shall have devices to prevent the child from falling out of the stroller (safety belts, guards and other similar devices); the stroller backrest shall retain its shape.

The braking and locking systems of strollers shall be inaccessible to the child in the stroller, or their closing and opening shall be performed simultaneously with both hands or using special tools.

The inadvertent release of moving parts (folding handles) and removable parts (bodies) from the operating position shall not be permitted.

Textile Materials used in strollers shall be durable and have colour fastness to rubbing of at least 3 points on the grey scale of standards.

The outer upholstery of the enclosed stroller body shall be waterproof or have a waterproof cover.

Handles, belts, brackets and other devices intended for carrying strollers shall withstand a load of 30 kg. The strength of safety belts, including adjusters and buckles, shall be at least 150 N.

Textile Materials used in the manufacture of strollers shall comply with the Chemical safety requirements pursuant to Annex 10; Chemical and Polymer Materials shall comply with the Chemical safety requirements pursuant to Annex 15 to this Technical Regulation. The Material toxicity index in tests in an Aqueous medium shall be from 70 to 120 percent inclusive, and in an Air medium, from 80 to 120 percent inclusive, or there shall be no local skin-irritating effect.

The release of Harmful Substances contained in materials that come into contact with the skin shall be determined in an Aqueous medium, and in an Air medium in all other cases.

The design of strollers shall provide for the installation of Retroreflective Elements and signal elements.

2. Children's Bicycles for preschool-age children (bicycles with a saddle height from 435 mm to 635 mm), road (transport) bicycles for primary schoolchildren and Adolescents (bicycles with saddle adjustment to a height of 635 mm or more) shall comply with the safety requirements. In this case, the mass of an equipped adolescent cyclist shall not exceed 50 kg, and that of a primary schoolchild shall not exceed 40 kg.

Bicycles with chain drives shall be equipped with a braking system (braking systems). Riding up of the chain onto the sprocket teeth and chain derailment shall not be permitted. Bicycles shall be equipped with a

protective device covering the outer contact surface of the chain with the driving sprocket.

Protruding edges of bicycle parts that may come into contact with the user's body while riding shall not be sharp. Projections exceeding 8 mm in length shall be rounded. There shall be no projections on the top tube of the frame.

The braking system shall operate without jamming.

In bicycles with a hand brake for preschool-age children, the braking force shall be at least 50 N when a force of 90 N is applied to the brake lever.

In bicycles with a coaster brake, the ratio of the force applied to the pedals to the braking force shall not exceed a ratio of 2:1, respectively.

The braking system shall actuate during testing of the braking system of bicycles for Adolescents at a load of 70 kg and of bicycles for primary schoolchildren at a load of 60 kg. Complete wheel locking shall not be permitted. After removal of the force applied to the brake, all elements of the braking system shall return to their initial position.

The steering system shall ensure stable and reliable control of the bicycle. The handlebar ends shall be fitted with grips or plugs capable of withstanding a pull-off force of at least 70 N. Bicycle assemblies, parts and connections shall be strong. During tests of the "handlebar-front fork" assembly, there shall be no visible Cracks or fractures of the handlebar stem.

During tests of the steering assembly in bicycles for preschool-age children, the Residual deformation shall not exceed 20 mm per 100 mm of length when a torque of 30 Nm and a static load of 500 N are applied, and there shall be no movement of the handlebar relative to the stem when loads of 130 N are applied to both sides of the handlebar.

During impact tests of the “frame-front fork” assembly in bicycles for primary schoolchildren, the Residual deformation shall not exceed 40 mm when a force of 130 N is applied to the assembly and a falling mass of at least 13,5 kg is used; in bicycles for Adolescents, it shall not exceed 40 mm when a force of 200 N is applied to the assembly and a falling mass of at least 22,5 kg is used.

During strength tests of the steering assembly in bicycles for primary schoolchildren, the handlebar stem shall not fracture when a torque of at least 50 Nm is applied; during tests of bicycles for Adolescents, the torque shall be at least 108 Nm. During tests of bicycles for primary schoolchildren, Cracks, breaks and displacement of the test shaft by more than 4 mm shall not be permitted when a torque of 15 Nm is applied to the “handlebar stem-front fork” assembly; for bicycles for Adolescents, the torque shall be at least 25 Nm.

During tests of bicycles for preschool-age children, primary schoolchildren and Adolescents, movement of the saddle relative to the seat post and of the seat post relative to the saddle shall not be permitted when a vertical force is applied to the saddle of at least 300 N, 600 N and 700 N, respectively, and horizontal forces of 100 N, 150 N and 200 N, respectively.

During testing of bicycles for preschool-age children using a falling mass of 22,5 kg from a height of 50 mm and free fall of the “frame-fork” assembly with a mass of 30 kg, there shall be no visible Cracks; the Residual deformation of the assembly, measured between the fork tip and the frame, shall not exceed 20 mm.

The “pedal-crank” assembly shall be resistant to dynamic loads. There shall be no overheating or visible Cracks in the pedal or crank thread during dynamic tests. During testing of bicycles for primary schoolchildren, the bicycle drive shall remain operational after a vertical force of at least 600 N is applied to the pedal; during testing of bicycles for Adolescents,

the force shall be at least 1500 N.

In bicycles for preschool-age children, the pedals shall not touch the ground when the unloaded bicycle is tilted 20° from the vertical position; in bicycles for primary schoolchildren and Adolescents, the angle shall be 25° .

Bicycles for primary schoolchildren and Adolescents shall have Reflective Elements.

The bicycle design shall provide for the installation of a lighting system and Reflective Elements of signalling devices.

Supporting rollers installed on bicycles for preschool-age children shall not have a deflection exceeding 25 mm or Residual deformation exceeding 15 mm when a vertical load of 30 kg is applied.

The horizontal distance between the plane of symmetry of the bicycle and the inner end surface of each roller shall be at least 175 mm.

Textile Materials used in the manufacture of bicycles shall comply with the Chemical safety requirements pursuant to Annex No. 10; Polymeric materials shall comply with the Chemical safety requirements pursuant to Annex No. 15 to this Technical Regulation. The release of Harmful Substances contained in materials that come into contact with the skin shall be determined in an Aqueous medium, and in an Air medium in all other cases.

Article 8. Safety Requirements for Publishing (Book and Magazine) Products and School Writing Supplies

1. The biological safety of publishing products is determined by the typeface design parameters and text layout techniques, depending on the type of publication, the volume of text read at one time and the age of the user, and in accordance with the physiological characteristics of the visual

organs of children and adolescents.

2. Where publishing products are intended for 2 or 3 age groups, such products shall comply with the requirements established for the youngest of the age groups indicated in the readership designation.

3. Publishing products, irrespective of the type and the age of the user, shall comply with the following requirements:

the optical density of the background when printing text on a colored and gray background and (or) on multicolor illustrations shall be not more than 0,3; when printing reversed-out type, not less than 0,4;

newsprint shall not be used for the manufacture of publishing products, except for publishing products not intended for reuse (examination cards, task cards, test assignments, crosswords and others);

condensed typefaces shall not be used in publishing products;

when setting letter, numerical and chemical formulas, the type size of the main elements of formulas may be 2 points smaller than the type size of the main text; the type size of the auxiliary elements of formulas shall be not less than 6 points;

the gutter margins on a spread of text pages of a publication shall be not less than 26 mm;

in the page margins, except for the gutter margins, symbols, visual images and text of not more than 50 characters may be placed at a distance of not less than 5 mm from the type area;

printing of text with blurred character strokes is not permitted;

the word spacing in publishing products for preschool and primary school age shall be equal to the type size.

4. In coloring books for children of preschool age, the minimum linear size of picture elements shall be not less than 5 mm. Incomplete printing of picture lines is not permitted.

Coloring books shall be made of drawing, offset, writing and other types of paper with a mass per 1 m² area of 100 $\pm$ 5 g to 160 $\pm$ 7.

For drawing with a graphite pencil, paper with a mass per 1 m area of not less than 60 $\pm$ 3 g may be used. When such paper is used, the picture intended for coloring shall be placed on one side of the sheet.

5. In fiction, developmental learning, supplementary education and popular science publications, the use of colored inks and reversed-out type for text is not recommended.

6. In reference and leisure publications, when printing in colored inks on a colored background, the type size shall be not less than 20 points and the volume of text not more than 200 characters.

7. The typeface design of text in book and magazine publications for children of preschool age (3-6 years), primary school age (7-10 years), middle school age (11-14 years) and senior school age (15-18 years) shall comply with the requirements of Annexes 16-19 respectively.

8. The typeface design of text in 2- and 3-column setting in book and magazine publications shall comply with the requirements of Annex 20.

9. The typeface design of text in book and magazine publications when printing on a colored or gray background and on multicolor illustrations shall comply with the requirements of Annex 21.

10. The typeface design of text in combined book and magazine publications that include, along with text, toys, stationery, compact discs and other items shall comply with the requirements of Annexes 16-21 respectively to this Technical Regulation.

11. The typeface design parameters of publishing products are given in the Didot typometric system (1 point equals 0,376 mm).

12. Publishing products shall comply with chemical safety requirements and shall not release harmful substances: for children up to and including three years of age, into a model medium (distilled water) in amounts exceeding:

phenol - 0,05 mg/dm³ or total phenols - 0,1 mg/dm³;

formaldehyde - 0,1 mg/dm³;

lead - 90 mg/kg;

zinc - 1,0 mg/dm³;

arsenic - 25 mg/kg;

chromium (III) and (VI) - 60 mg/kg;

for children over three years of age, into the air medium in amounts exceeding:

phenol - 0,003 mg/m³;

formaldehyde - 0,003 mg/m³.

13. School writing supplies shall comply with the chemical safety requirements of Annex 22.

14. Writing paper and other types of printing paper with a mass per 1m² area of not less than 60,0±3,0 g are used for the manufacture of school and general exercise books, vocabulary notebooks, notebooks for preparing preschoolers for writing, music notebooks and school diaries. The use of glossy paper is not permitted. The thickness of the lines forming rows and squares shall be 0,1-0,4 mm depending on the type of ruling.

Drawing paper and other types of printing paper with a mass per 1 m² area of 100,0±5,0 g to 160,0±7,0 g are used for the production of drawing albums, folders and sketchbooks; drafting paper and other types of printing paper with a mass per 1 m² area of 160,0±7,0 g to 200,0±8,0 g are used for drafting albums and folders."

Footnote. Article 8 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication).

Article 9. Requirements for Product Marking

1. Product marking shall be reliable, verifiable, legible and accessible for inspection and identification. Product marking shall be applied to the item, to a label attached to the item or a product tag, to the packaging of the item, to the packaging of a group of items, or to a leaflet insert accompanying the product.

2. Product marking shall contain the following information: name of the country where the product was manufactured;

name and location of the manufacturer (person authorized by the manufacturer), importer, seller;

name of the item;

type (purpose) of the item (where necessary);

date of manufacture (month, year) (except for toothbrushes);

single mark of circulation on the market;

service life of the product (where necessary);

warranty period of service (where necessary);

trademark (if any).

3. Product marking shall be applied in the Russian language and, where the legislation of a Member State of the Eurasian Economic Union contains relevant requirements, in the state language(s) of the Member State of the Eurasian Economic Union in whose territory the product is sold.

For imported products, the name of the country where the product was manufactured, the name of the manufacturer and its legal address may be stated using the Latin alphabet.

4. The use of the indications "environmentally friendly", "orthopaedic" and other similar indications without appropriate confirmation is not permitted.

5. The marking of feeding teats and pacifiers shall be applied to sealed packaging and shall contain the warranty period of service and instructions for use, storage and hygienic care of the item.

6. Single-use sanitary and hygienic items for child care shall be accompanied by instructions containing information on the purpose, size, recommendations for the correct choice of type and size of the item, methods of caring for the item and its disposal (where necessary).

7. The marking of tableware and of sanitary, hygienic and haberdashery items shall contain the designation of the material from which the item is made and instructions for use and care.

Items that are similar in shape and appearance to items used for food products but are not intended for contact with food products shall bear the marking "Для непищевых продуктов" or an indication of their specific purpose.

8. The marking of clothing, articles made of textile materials, leather, fur, knitwear and finished piece textile articles shall, in addition to the mandatory requirements, contain information indicating:

the type and mass fraction (percentage content) of natural and chemical raw materials in the outer material and lining of the item (the deviation of

the actual values of the percentage content of raw materials shall not exceed 5 percent), as well as the type of fur and the type of its treatment (dyed or undyed);

the size of the item in accordance with the standard size chart or the requirements of the regulatory document for the specific type of product;

care symbols for the item and (or) instructions on the specific aspects of caring for the item during use (where necessary).

Items for newborns and underwear and bed linen for children under 1 year of age shall be accompanied by the information "Предварительная стирка обязательна".

9. The marking of footwear shall contain information on the size, model and (or) article number of the item, the material of the upper, lining and sole, and the conditions of use and care of the footwear.

10. The marking of leather haberdashery items shall contain the name of the material from which the item is made and instructions for use and care.

The marking of school satchels, bags, briefcases and backpacks shall contain information on the age of the user.

11. Children's prams shall be accompanied by instructions for use indicating the age of the user for whom the item is intended, as well as instructions for assembly, installation, adjustment, safe use and storage. The marking of children's prams shall contain information on the warranty period of operation and storage.

12. Bicycles shall be accompanied by instructions for use indicating the weight and age of the user for whom the item is intended, with recommendations on assembly, preparation for use and adjustment, use, and selection of a bicycle, and with instructions on bicycle maintenance. The marking of bicycles shall contain information on the warranty period

of operation.

13. The marking of toothbrushes with a working part made of synthetic bristles shall contain information on the degree of bristle stiffness.

Footnote. Article 9 as amended by decisions of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force upon expiry of 12 months from the date of its official publication); of 23.09.2022 No. 147 (enters into force upon expiry of 180 calendar days from the date of its official publication).

Article 10. Ensuring Compliance with Safety Requirements

1. Compliance of products for children and adolescents with this Technical Regulation is ensured either by meeting its safety requirements directly or by meeting the requirements of the standardization documents included in the List of standardization documents whose voluntary application ensures compliance with the requirements of this Technical Regulation.

Voluntary compliance with the requirements of the said standardization documents constitutes a presumption of conformity with the safety requirements of this Technical Regulation.

2. State control (supervision) over compliance with the requirements of the Customs Union Technical Regulation is carried out in the manner established by the legislation of the Customs Union member states.

Article 11. Product Identification

1. Identification of products by characteristics including the name (indicating, where necessary, the age and gender of the user), the type (purpose) of the products, their conformity with the field of application of this Technical Regulation, and the establishment of the conformity of the products with the technical documentation for them, shall be carried out by:

the manufacturer (a person authorised by the manufacturer), the importer or the seller declaring the conformity of the products with the requirements of this Technical Regulation and placing them into circulation in the territory of the Member States of the Customs Union;

the certification body (for conformity assessment (confirmation)) for the purpose of providing Proof of Conformity of products subject to mandatory certification with the requirements of this Technical Regulation.

2. Organoleptic and instrumental methods shall be used for product identification:

2.1. in organoleptic identification, products shall be identified by the name and type (purpose) of the products, as well as by their identity and the characteristic features inherent in the product type being determined, in accordance with standards and technical documentation;

2.2. in the instrumental method of identification, product testing shall be carried out in accordance with the approved list of international and regional standards, and in their absence, national (state) standards of the Member States of the Customs Union, containing the rules and methods of research (testing) and measurement, including sampling rules, necessary for the application and implementation of the requirements of this Technical Regulation and for the Conformity Assessment (Proof of Conformity) of products.

Footnote. Article 11 as amended by Decision of the Council of the Eurasian Economic Commission No. 147 of 23.09.2022 (enters into force upon expiry of 180 calendar days from the date of its official publication).

Article 12. Conformity Assessment (Confirmation)

1. Before being placed on the market, products shall be subject to the procedure of mandatory conformity assessment (confirmation) against the requirements of this Technical Regulation. This procedure is carried out in

the form of State Registration followed by declaration of conformity, in the form of declaration of conformity, or in the form of certification.

In conformity assessment (confirmation), the applicant may be a legal entity or a natural person registered as an individual entrepreneur in accordance with the legislation of a Party on its territory, who is the manufacturer or the seller, or who performs the functions of a foreign manufacturer on the basis of a contract with that manufacturer with regard to ensuring the conformity of the supplied products with the requirements of this Technical Regulation and with regard to responsibility for non-conformity of the supplied products with the requirements of this Technical Regulation.

2. Conformity assessment (confirmation) of products against the requirements of this Technical Regulation in the form of State Registration followed by declaration of conformity is carried out for the following products:

feeding teats and soothers made of latex, rubber or silicone;

single-use sanitary and hygiene articles (multilayer articles containing moisture-absorbing materials (diapers, pull-up diapers (training pants) and underpads), as well as hygienic cotton swabs (for the nose and ears) and other similar childcare articles);

tableware and cutlery (cups, saucers, sippy cups, plates, bowls, spoons, forks, knives, bottles and other similar children's articles for foodstuffs) made of plastic, glass or metal, ceramic tableware (faience, glass-ceramic, earthenware and majolica), and disposable tableware (made of paper, cardboard and plastic) for children under 3 years;

toothbrushes, electric toothbrushes powered by chemical current sources, gum massagers and other similar articles;

1st-layer underwear articles (underwear and swimwear), knitted and made of textile materials, for children under 3 years;

1st-layer knitted hosiery for children under 3 years;

1st-layer (summer) headwear, knitted and made of textile materials, for children under 3 years.

State Registration with the issuance of a Certificate of State Registration is carried out for products manufactured within the territory of the Customs Union at the stage of their launch into production, and for products imported into the territory of the Customs Union for the first time - prior to their import into the territory of the Customs Union.

For the purposes of State Registration, the applicant for products manufactured within the territory of the Customs Union is the manufacturer. For products manufactured outside the territory of the Customs Union, the applicant is the person performing the functions of a foreign manufacturer or the seller, registered in accordance with the legislation of the Member States of the Customs Union on their territory.

State Registration of products is carried out by the authority in the field of sanitary and epidemiological welfare of the population authorised by the Party (hereinafter - the registration authority).

To obtain a Certificate of State Registration, the applicant shall submit the following documents:

- application;
- copies of the documents in accordance with which the products are manufactured (standards, technical specifications, regulations, process instructions, specifications, formulations, information on composition), certified by the applicant - for products manufactured within the territory of the Customs Union, or certified in accordance with the legislation of the Party in which State Registration is carried out - for products manufactured

outside the territory of the Customs Union;

- the manufacturer's document on the application (operation, use) of the controlled products (instructions, manual, regulations, recommendations) or a copy thereof certified by the applicant;
- copies of labels (packaging) or their mock-ups for the controlled products, certified by the applicant;
- sampling report - for products manufactured within the territory of the Customs Union;
- a written notification from the manufacturer stating that the products it has manufactured comply with the requirements of the documents in accordance with which they are manufactured, or copies of quality certificates, safety (quality) data sheets, quality attestations or certificates of free sale, certified in accordance with the legislation of the Party in which State Registration is carried out - one of the listed documents is submitted;
- test reports of testing laboratories (centres) accredited in the national accreditation systems of the Parties and included in the Unified Register of Certification Bodies and Testing Laboratories (Centres) of the Customs Union;
- an extract from the Unified State Register of Legal Entities or the Unified State Register of Individual Entrepreneurs (for products manufactured within the territory of the Customs Union);
- copies of documents confirming the import of samples of the controlled products into the territory of the Customs Union, certified in accordance with the legislation of the Party in which State Registration is carried out - for products manufactured outside the territory of the Customs Union.

Translations of the manufacturer's documents from a foreign language into the state language of a Member State of the Customs Union shall be

certified in accordance with the legislation of the Party in which State Registration is carried out.

The applicant is responsible for the accuracy of the documents submitted for the purpose of obtaining the Certificate of State Registration.

State Registration may be refused in the cases established by the legislation of the Customs Union.

State Registration may be terminated by the registration authority in the cases established by the legislation of the Customs Union.

Conformity confirmation of products subject to State Registration is carried out by adopting a declaration of conformity of the products with the requirements of this Technical Regulation. The technical documentation confirming the conformity of such products with the requirements of this Technical Regulation shall include, among other things, the Certificate of State Registration of the products and the test reports confirming the conformity of the products with the requirements of this Technical Regulation, including the reports of tests carried out for the purposes of State Registration.

Applicable declaration schemes:

scheme 3d - testing of samples is carried out in an accredited testing laboratory (centre); production control is carried out by the manufacturer (for serially produced products). In declaration of conformity under scheme 3d, the applicant is a legal entity or a natural person registered in accordance with the legislation of the Member States of the Customs Union on their territories, who is the manufacturer or who performs the functions of a foreign manufacturer on the basis of a contract with that manufacturer. The validity period of the declaration is no more than 5 years;

scheme 4d - testing of samples is carried out in an accredited testing laboratory (centre) (for a batch of products (single item)). In declaration of conformity under scheme 4d, the applicant is a legal entity or a natural person registered in accordance with the legislation of the Member States of the Customs Union on their territories, who is the manufacturer or the seller, or who performs the functions of a foreign manufacturer on the basis of a contract with that manufacturer. The validity period of the declaration for serially produced products is the period set by the applicant based on the planned production period of these products, but no more than 3 years. The validity period of the declaration for a batch of products is the period set by the applicant, taking into account the shelf life (storage life), but no more than 1 year.

3. Conformity confirmation of products against the requirements of this Technical Regulation in the form of declaration of conformity is carried out using the following schemes:

- scheme 1d or 2d - adoption of a declaration of conformity of the products with the requirements of this Technical Regulation on the basis of own evidence; the validity period of the declaration is no more than 3 years; applies to the following products:

leather goods;

school stationery;

- scheme 3d, 4d or 6d - adoption of a declaration of conformity of the products with the requirements of this Technical Regulation with the participation of a third party - an accredited testing laboratory (centre); the validity period of the declaration is no more than 5 years; applies to the following product groups:

3rd-layer clothing and articles, knitted and made of textile materials and leather, for children over 1 year and adolescents;

clothing, articles and headwear made of fur for children over 1 year and adolescents;

2nd-layer headwear, knitted and made of textile materials and leather, for children over 1 year and adolescents;

finished textile piece goods;

bedding items (blankets, pillows, mattress covers, canopies, bolsters, soft cot bumpers and other similar articles);

coarse-wool felted footwear;

book and magazine publications.

In declaration of conformity of products with the requirements of this Technical Regulation, the supporting evidence shall include:

- copies of documents confirming that the applicant is registered in the established manner by the state of the Party as a legal entity or individual entrepreneur;
- test reports of type samples of products confirming the conformity of the products with the requirements of this Technical Regulation in terms of safety indicators.

If the information contained in the test reports is insufficient for product identification, the supporting evidence shall include operating documentation, technical and design documentation, and information on raw materials, materials and components.

If the applicant is a seller, the supporting evidence shall include copies of documents confirming the origin of the products, copies of the contract (agreement) and copies of shipping documents.

For products whose properties change over time and for products with a limited shelf life, the test report of type samples of products shall be

issued no earlier than six months before the date of adoption of the declaration; in other cases – no earlier than 1 year before the date of adoption of the declaration.

The test report of type samples of products shall contain:

- the date of issue of the report and its number in accordance with the system adopted by the testing laboratory;
- the name of the testing laboratory, or the name and registration number of the accredited testing laboratory (centre) (depending on the declaration scheme);
- the product name;
- the names and actual values of the tested product property indicators;
- the numbers and titles of the regulatory documents for the test methods applied.

At the applicant's request, declaration of conformity of products under the scheme of adopting a declaration on the basis of own evidence may be replaced by declaration of conformity under the scheme of adopting a declaration on the basis of evidence obtained with the participation of a third party. Declaration of conformity of products may be replaced by certification.

In declaration of conformity under schemes 1d, 3d, 6d, the applicant is a legal entity or a natural person registered in accordance with the legislation of the Member States of the Customs Union on their territories, who is the manufacturer or who performs the functions of a foreign manufacturer on the basis of a contract with that manufacturer.

In the case of declaration of conformity under schemes 2d and 4d, the applicant is a legal entity or natural person registered on the territory of a Member State of the Customs Union in accordance with its legislation that

is the manufacturer or seller, or performs the functions of a foreign manufacturer on the basis of a contract with that manufacturer.

4. Conformity confirmation of products with the requirements of this Technical Regulation in the form of certification is carried out by an accredited certification body with the participation of an accredited testing laboratory (centre) under one of the following schemes: 1c, 2c, 3 c or 4c:

if the applicant is a seller registered by a Member State of the Customs Union in accordance with the established procedure, the validity period of the certificate is not more than 3 years;

if the applicant is the manufacturer or a person performing the functions of a foreign manufacturer on the basis of a contract with that manufacturer, the validity period of the certificate is not more than 3 years, and surveillance of the certified products is carried out 1 time per year;

if the applicant is the manufacturer or a person performing the functions of a foreign manufacturer on the basis of a contract with that manufacturer, and has a certified quality management system, the validity period of the certificate is not more than 5 years, and surveillance of the certified products is carried out 1 time per year.

Conformity confirmation of products with the requirements of this Technical Regulation in the form of certification is carried out for the following products, except for the products specified in clause 2 of this Article:

moulded and non-moulded rubber sanitary and hygiene childcare products;

plastic and metal sanitary, hygiene and haberdashery products;

tableware and cutlery (cups, saucers, sippy cups, plates, bowls, spoons, forks, knives, bottles and other similar children's articles for foodstuffs)

made of plastic, glass or metal, ceramic tableware (faience, glass-ceramic, earthenware and majolica), and single-use tableware (made of paper, cardboard and plastic) for children over 3 years and adolescents;

bed linen;

1st-layer underwear products (underwear, corsetry and swimwear), knitted and made of textile materials, for children over 3 years and adolescents;

1st-layer knitted hosiery for children over 3 years and adolescents;

2nd-layer knitted hosiery;

1st-layer (summer) headwear, knitted and made of textile materials, for children over 3 years and adolescents; knitted scarves;

2nd-layer headwear, knitted and made of textile materials and leather, for children under 1 year;

3rd-layer clothing and articles, knitted and made of textile materials and leather, for children under 1 year;

fur clothing, articles and headwear for children under 1 year;

footwear, except coarse-wool felted footwear;

baby carriages;

bicycles.

5. For conformity confirmation of products with the requirements of this Technical Regulation in the form of certification, the applicant submits to the certification body an application for the performance of work and copies of documents confirming State Registration as a legal entity or individual entrepreneur.

If the applicant is a seller, the seller additionally submits copies of documents confirming the origin of the products, copies of the contract (agreement) and copies of shipping documents.

Depending on the certification scheme, the applicant submits copies of operating documentation, technical and design documentation, and information on raw materials, materials and components.

6. The certification body reviews the application and the documents attached to it, takes a Decision on the application, carries out product identification and sampling for testing, organises testing of product samples for conformity with the requirements of this Technical Regulation, analyses the test results contained in the test report, issues a conclusion on conformity (non-conformity) with the requirements of this Technical Regulation, carries out an assessment of the manufacturer's production (analysis of the state of production) if this is provided for by the certification scheme, takes a Decision on issuing the certificate of conformity or refusing to issue it, carries out surveillance of the certified products if this is provided for by the certification scheme, maintains a register of the certificates of conformity it has issued, issues certificates of conformity, suspends or terminates the certificates of conformity it has issued, and informs the authorised bodies responsible for establishing and maintaining the national parts of the Unified Register of Issued Certificates of Conformity accordingly.

7. The accredited testing laboratory (centre) carries out testing and issues a test report on type samples of products.

The test report on type samples of products must contain:

- the date of issue of the report and its number in accordance with the system adopted by the accredited testing laboratory;
- the name and registration number of the accredited testing laboratory;

- the name of the products;
- the names, actual values and specified values of the product properties tested;
- the name of the Technical Regulation against whose requirements the certification tests are carried out;
- the numbers and titles of the normative documents for the test methods applied;
- a list of the testing equipment and measuring instruments used during testing.

Footnote. Article 12 as amended by Decision of the Council of the Eurasian Economic Commission No. 147 of 23.09.2022 (enters into force upon expiry of 180 calendar days from the date of its official publication).

Article 13. Marking with the Single Mark of Product Circulation on the Market of the Member States of the Customs Union

1. Products for children and adolescents that comply with the safety requirements of this Technical Regulation and have undergone the conformity assessment (confirmation) procedure shall bear the single mark of product circulation on the market of the Member States of the Customs Union.
2. Marking with the single mark of product circulation on the market of the Member States of the Customs Union shall be performed before the products are placed into circulation on the market.
3. The single mark of product circulation on the market of the Member States of the Customs Union shall be applied to each unit of products for children and adolescents or to the product label of the product unit.

4. It is permitted to apply the single mark of product circulation on the market of the Member States of the Customs Union only to the packaging, provided that the operational documents accompanying it state that the mark cannot be applied directly to the product unit (or product label) due to the specific features of the item.

Article 14. Safeguard Clause

1. The Member States of the Customs Union shall take all measures to restrict and prohibit the placing on the market of products for children and adolescents in the customs territory of the Member States of the Customs Union, and to withdraw from the market products for children and adolescents that do not comply with the safety requirements of this Technical Regulation.

2. The competent authority of a Member State of the Customs Union shall notify the Customs Union Commission and the competent authorities of the other Member States of the Customs Union of the decision taken, stating the reasons for taking that decision and providing evidence explaining the need for that measure.

3. The following cases may constitute grounds for applying the safeguard article:

failure to comply with Articles 4-7 of this Technical Regulation of the Customs Union;

non-compliance with the rules set out in Article 10 of this Technical Regulation

of the Customs Union;

other reasons for prohibiting the placing on the market of products intended for children and adolescents in a Member State of the Customs Union.

4. If the competent authorities of other Member States of the Customs Union object to the decision referred to in paragraph 1 of this Article, the Customs Union Commission shall without delay consult the competent authorities of all Member States of the Customs Union in order to reach a mutually acceptable decision.

**Annex No. 1
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 1 as amended by Decision of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force 12 months after the date of its official publication).

List of products intended for children and adolescents to which the requirements of the Technical Regulation on the safety of products intended for children and adolescents apply

Footnote. The List as amended by decisions of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force 12 months after the date of its official publication); of 23.09.2022 No. 147 (enters into force 180 calendar days after the date of its official publication).

Product group names		List of products
No.	1	2
1	Teats, pacifiers	feeding teats, pacifiers made of latex, rubber or silicone
2	Sanitary and hygiene articles and haberdashery articles	moulded or non-moulded sanitary and hygiene articles made of rubber for childcare
sanitary and hygiene articles made of plastics (baby bath, potty and other toileting articles) for childcare, children's haberdashery articles		

sanitary and
hygiene articles
made of metal
(bath, basin and
other toileting
articles) for
childcare,
children's
haberdashery
articles

3	Disposable sanitary and hygiene articles	multilayer articles containing gel-forming absorbent materials - diapers, pull-up diapers (training pants) and underpads, as well as hygienic cotton swabs (for the nose and ears) and other similar childcare articles declared by the manufacturer as intended for children
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4	Tableware, cutlery	tableware and cutlery (cups, saucers, sippy cups, plates, bowls, spoons, forks, knives, bottles and other similar children's articles for food products) made of plastic, glass, metal, ceramic tableware (faience, glass-ceramic, earthenware and majolica), disposable tableware (made of paper, cardboard and plastic), declared by the manufacturer as intended for children and adolescents
5	Toothbrushes, electric toothbrushes powered by chemical power sources, gum massagers and similar articles	toothbrushes, electric toothbrushes powered by chemical power sources, gum massagers and similar articles declared by the manufacturer as intended for children and adolescents

6	Clothing and articles made of textile materials and leather	coats, half-coats, raincoats, suits, bunting bags for newborns, bib overalls, jackets, overalls, suit jackets, blazers, aprons, trousers, waistcoats, dresses, pinafore dresses, outer shirts, blouses, skirts, shorts, swimwear, linen articles (underwear, pyjamas, bed linen and corsetry), rompers, swaddling cloths, baby vests, baby tops, baby bonnets, headwear, bedding (quilted blankets, pillows, mattress covers, canopies, bolsters, soft cot bumpers and other similar articles) and similar articles declared by the manufacturer as intended for children and adolescents
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7	Fur clothing and articles	coats, half-coats, jackets, suit jackets, blazers, waistcoats, sleeping bags, bunting bags for newborns, collars, cuffs, trimmings, gloves, mittens, socks, stockings, headwear and similar articles declared by the manufacturer as intended for children and adolescents
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8	Knitwear	coats, blazers, jumpers, suits, bib overalls, overalls, sweaters, jackets, skirts, trousers, leggings, shorts, dresses, sets, blouses, outer shirts, waistcoats, pyjamas, long underpants, bloomers, jerseys, slips, swimwear, swaddling cloths, baby bonnets, rompers, baby vests, baby tops, briefs, aprons, sleeveless undershirts, tights, socks, knee socks, stockings, gloves, mittens, shawls, scarves, headwear and similar articles declared by the manufacturer as intended for children and adolescents
9	Finished piece textile articles	blankets, scarves, handkerchiefs and headscarves, towels, bath sheets and similar articles declared by the manufacturer as intended for children and adolescents

10	Footwear for children and adolescents, except national and orthopaedic footwear	boots, children's boots, ankle boots, high shoes, low shoes, shoes, sandals and other types of footwear made of yuft leather, chrome-tanned leather, textile, synthetic and artificial materials, rubber, rubber-textile, felted and combined footwear, declared by the manufacturer as intended for children and adolescents
11	Leather goods	briefcases, school satchels, backpacks, bags for preschool and school-age children, gloves, mittens, waist belts and small leather goods declared by the manufacturer as intended for children and adolescents
12	Baby carriages	baby carriages, component assemblies and parts thereof

13	Bicycles	bicycles with a saddle height from 43 5 mm to 63 5 mm for preschool children, transport bicycles with saddle adjustment to a height of 63 5 mm and more for younger schoolchildren and adolescents
14	Published book and magazine products	children's literature, children's magazines and serial publications
15	School and writing supplies	stationery (pens, markers, rulers, pencils, erasers, exercise books, school diaries, brushes and other similar articles), declared by the manufacturer as intended for children and adolescents

**Annex No. 2
to the Technical Regulation
of the Customs Union "On the Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 2 as amended by decision of the Council of the Eurasian Economic Commission of

28.04.2017 No. 51 (enters into force 12 months after the date of its official publication).

Chemical safety requirements for rubber sanitary and hygiene products

Product name	Name of the substance determined	Migration limit into model medium (mg/dm ³ , not more than)
Rubber sanitary and hygiene products	lead	0,03
	arsenic	0,05
	zinc	1,0
	phenol or sum of total phenols	0,05 0,1
	formaldehyde	0,1
	antioxidants	0,5
	vulcanization accelerators:	
	thiazole class	0,4
	thiuram class	0,5

plasticizers:	
dibutyl phthalate	not permitted
dioctyl phthalate	2,0

**Annex No. 3
to the Technical Regulation
of the Customs Union "On the Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 3 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of its official publication).

**Chemical safety
requirements for plastic tableware and
cutlery**

Footnote. Requirements as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of its official publication).

Name of product materials	Name of substance determined	Migration limit into model medium (mg/dm ³ , not more than)
Acrylonitrile butadiene-styrene plastics	α -methylstyrene	0,1
	acrylonitrile	not permitted
	benzaldehyde	0,003
	benzene	not permitted
	xylene (mixture of isomers)	0,05
	styrene	not permitted
	toluene	0,5
	ethylbenzene	0,01
Polystyrene and styrene copolymers	α -methylstyrene	0,1
	acrylonitrile	not permitted

acetaldehyde	0,2
acetone	0,1
acetophenone	0,1
benzaldehyde	0,003
benzene	not permitted
butadiene	0,05
xylenes (mixture of isomers)	0,05
cumene (isopropylbenzene)	0,1
methyl methacrylate	not permitted
butyl alcohol	not permitted
methyl alcohol	not permitted
styrene	not permitted
toluene	0,5

formaldehyde	not permitted	
ethylbenzene	0,01	
Polyolefin-based materials	acetaldehyde	0,2
	acetone	0,1
	hexane	0,1
	heptane	0,1
	isopropyl alcohol	0,1
	butyl alcohol	not permitted
	isobutyl alcohol	not permitted
	methyl alcohol	not permitted
	propyl alcohol	0,1
	formaldehyde	not permitted
	ethyl acetate	not permitted

Vinyl acetate-based polymers	acetaldehyde	0,2
	vinyl acetate	not permitted
	hexane	0,1
	heptane	0,1
	formaldehyde	not permitted
Polyvinyl chlorides	acetaldehyde	0,2
	acetone	0,1
	benzene	not permitted
	vinyl chloride	not permitted
	dibutyl phthalate	not permitted
	dimethyl phthalate	not permitted
	dioctyl phthalate	2,0
	diethyl phthalate	not permitted
	butyl alcohol	not permitted

isobutyl alcohol	not permitted	
isopropyl alcohol	0,1	
methyl alcohol	not permitted	
propyl alcohol	0,1	
toluene	0,5	
phenol or sum of total phenols	0,05 0,1	
zinc	1,0	
tin	2,0	
Polyurethanes	acetaldehyde	0,2
	acetone	0,1
	benzene	not permitted
	butyl acetate	0,1
	isopropyl alcohol	0,1

methyl alcohol	not permitted	
propyl alcohol	0,1	
toluene	0,5	
formaldehyde	not permitted	
ethyl acetate	not permitted	
ethylene glycol	1,0	
Polyamides	benzene	not permitted
	hexamethylenediamine	not permitted
	e-caprolactam	0,5
	methyl alcohol	not permitted
	phenol or sum of total phenols	0,05 0,1
Polyacrylate	acrylonitrile	not permitted
	butyl acrylate	0,01

hexane	0,1	
heptane	0,1	
methyl methacrylate	not permitted	
methyl acrylate	0,02	
Polyester-based materials	acetaldehyde	0,2
	acetone	0,1
	benzene	not permitted
	methyl acetate	0,1
	methyl alcohol	not permitted
	propyl alcohol	0,1
	formaldehyde	not permitted
	phenol or sum of total phenols	0,05 0,1
Polyphenylene sulfide	acetaldehyde	0,2

dichlorobenzene	0,002	
methyl alcohol	not permitted	
phenol or sum of total phenols	0,05 0,1	
boron	not permitted	
Polyethylene terephthalate and copolymers based on terephthalic acid	acetaldehyde	0,2
	acetone	0,1
	dimethyl terephthalate	1,5
	butyl alcohol	not permitted
	isobutyl alcohol	not permitted
	methyl alcohol	not permitted
	formaldehyde	not permitted
	ethylene glycol	1,0
Polycarbonate	methylene chloride	7,5

phenol or sum of total phenols	0,05 0,1	
chlorobenzene	0,02	
Phenoplasts and aminoplasts	acetaldehyde	0,2
	phenol or sum of total phenols	0,05 0,1
	formaldehyde	not permitted
Polymer materials based on epoxy resin	acetaldehyde	0,2
	phenol	0,05
	or sum of total phenols	0,1
	formaldehyde	not permitted
	epichlorohydrin	not permitted
Polyorganosiloxanes (silicones)	formaldehyde	not permitted
	acetaldehyde	0,2

phenol or sum of total phenols	0,05 0,1
methyl alcohol	not permitted
butyl alcohol	not permitted
benzene	not permitted

**Annex No. 4
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. Text in the upper right corner of Annex 4 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of its official publication).

Chemical safety requirements for plastic sanitary and hygiene products and haberdashery products

Name of product materials	Name of substance being determined	Migration limit into aqueous model medium (mg/dm ³ , not more than)	Migration limit into air model medium (mg/m ³ , not more than)
Acrylonitrile-butadiene-styrene plastics	α-methylstyrene	0,1	0,04
	acrylonitrile	0,02	0,03
	benzene	0,01	0,1
	xylenes (mixture of isomers)	0,05	0,2
	styrene	0,02	0,002
	toluene	0,5	0,6
Polystyrene and styrene copolymers	acrylonitrile	0,02	0,03

α -methylstyrene	0,1	0,04	
acetaldehyde	0,2	0,01	
benzene	0,01	0,1	
xylenes (mixture of isomers)	0,05	0,2	
methyl methacrylate	0,25	0,01	
styrene	0,02	0,002	
toluene	0,5	0,6	
formaldehyde	0,1	0,003	
Materials based on polyolefins	acetaldehyde	0,2	0,01
	formaldehyde	0,1	0,003
	isopropyl alcohol	0,1	0,6
	methyl alcohol	0,2	0,5

ethyl acetate	0,1	0,1	
Polymers based on vinyl acetate	acetaldehyde	0,2	0,01
	formaldehyde	01	0,003
	vinyl acetate	0,2	0,15
Polyvinyl chlorides	acetaldehyde	0,2	0,01
	acetone	01	0,35
	benzene	0,01	01
	vinyl chloride	1,0 mg/kg	0,01
	dibutyl phthalate	0,2	0,1
	dimethyl phthalate	0.3	0,007
	dioctyl phthalate	2,0	0,02
	diethyl phthalate	3,0	0,01
	toluene	0,5	0,6

phenol or sum of total phenols	0,05 0,1	0,003	
Polyurethanes	acetaldehyde	0,2	0,01
	acetone	0,1	0,35
	benzene	0,01	0,1
	isopropyl alcohol	0,1	0,6
	methyl alcohol	0,2	0,5
	propyl alcohol	0,1	0,3
	formaldehyde	0,1	0,003
	toluene	0,5	0,6
	ethyl acetate	01	0,1
	ethylene glycol	1,0	1,0
Polyamides	benzene	0,01	0,1
	hexamethylene- diamine	0,01	0,001

e-caprolactam	0,5	0,06	
methyl alcohol	0,2	0,5	
phenol or sum of total phenols	0,05 0,1	0,003	
Polyacrylate	acrylonitrile	0,02	0,03
	methyl methacrylate	0,25	0,01
Materials based on polyesters	acetaldehyde	0,2	0,01
	acetone	0,1	0,35
	methyl alcohol	0,2	0,5
	propyl alcohol	0,1	0,3
	formaldehyde	0,1	0,003
	phenol or sum of total phenols	0,05 0,1	0,003

Polyethylene-terephthalate and copolymers based on terephthalic acid	acetaldehyde	0,2	0,01
	acetone	0,1	0,35
	dimethyl terephthalate	1,5	0,01
	formaldehyde	0,1	0,003
	ethylene glycol	1,0	1,0
	methyl alcohol	0,2	0,5
Polycarbonate	methylene chloride	7,5	-
	phenol or sum of total phenols	0,05 0,1	0,003
	chlorobenzene	0,02	0,1
Phenoplasts and aminoplasts	acetaldehyde	0,2	0,01
	formaldehyde	0,1	0,003
	phenol or sum of total phenols	0,05 0,1	0,003

Polymeric materials based on epoxy resin	acetaldehyde	0,2	0,01
	phenol or sum of total phenols	0,05 0,1	0,003
	epichlorohydrin	0,1	0,2
	zinc	1,0	-
	formaldehyde	0,1	0,003

**Annex No. 5
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 5 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of its official publication).

**Chemical safety
requirements for toothbrushes,
gum massagers and similar oral
care products**

Footnote. Requirements as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication).

Name of product materials	Name of substance determined	Migration limit into aqueous model medium (mg/dm ³ , max.)
Acrylonitrile-butadiene-styrene plastics	α -methylstyrene	0,1
	acrylonitrile	not permitted
	benzene	not permitted
	xylene (mixture of isomers)	0,05
	styrene	not permitted
	toluene	0,5
Polystyrene and copolymers of styrene	α -methylstyrene	0,1
	acrylonitrile	not permitted
	acetaldehyde	0,2
	benzene	not permitted

xylenes (mixture of isomers)	0,05	
methyl methacrylate	not permitted	
butyl alcohol	not permitted	
methyl alcohol	not permitted	
styrene	not permitted	
toluene	0,5	
formaldehyde	not permitted	
Polyolefin-based materials	acetaldehyde	0,2
	isopropyl alcohol	0,1
	butyl alcohol	not permitted
	isobutyl alcohol	not permitted
	methyl alcohol	not permitted
	formaldehyde	not permitted

ethyl acetate	not permitted	
Vinyl acetate-based polymers	acetaldehyde	0,2
	vinyl acetate	not permitted
	formaldehyde	not permitted
Polyvinyl chlorides	acetaldehyde	0,2
	acetone	0,1
	benzene	not permitted
	vinyl chloride	not permitted
	dibutyl phthalate	not permitted
	dimethyl phthalate	not permitted
	dioctyl phthalate	2,0
	diethyl phthalate	not permitted
	butyl alcohol	not permitted
	isobutyl alcohol	not permitted

methyl alcohol	not permitted	
toluene	0,5	
phenol or sum of total phenols	0,05 0,1	
zinc	1,0	
tin	2,0	
Polyamides	benzene	not permitted
	hexamethylenediamine	not permitted
	e-caprolactam	0,5
	methyl alcohol	not permitted
	phenol or sum of total phenols	0,05 0,1
Polyethylene terephthalate and copolymers based on terephthalic acid	acetaldehyde	0,2
	acetone	0,1

dimethyl terephthalate	1,5	
butyl alcohol	not permitted	
isobutyl alcohol	not permitted	
methyl alcohol	not permitted	
formaldehyde	not permitted	
ethylene glycol	1,0	
Polycarbonate	methylene chloride	7,5
	phenol or sum of total phenols	0,05 0,1
	chlorobenzene	0,02
Polyorganosiloxanes (silicones)	formaldehyde	not permitted
	acetaldehyde	0,2
	phenol or sum of total phenols	0,05 0,1
	methyl alcohol	not permitted

butyl alcohol	not permitted
benzene	not permitted

**Annex No. 6
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. Text in the upper right corner of Annex 6 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication).

Requirements for microbiological safety of toothbrushes, gum massagers and similar products for oral care, and single-use sanitary and hygiene products

Product name	Total count of microorganisms (mesophilic, aerobic and facultative anaerobic), CFU<1>	Yeasts, yeast-like fungi, moulds, per 1 g (1 cm ²) of product	Bacteria of the family Enterobacteriaceae, per 1 g (1 cm ²) of product	Pathogenic staphylococci, per 1 g (1 cm ²) of product	Pseudomonas aeruginosa, per 1 g (1 cm ²) of product
Toothbrushes, gum massagers and similar products for oral care, single-use sanitary and hygiene products	not more than 1×10^2	absent	absent	absent	absent

<1> CFU – colony-forming units per 1 g or per 1 cm of product.

**Annex No. 7
to the Technical Regulation
of the Customs Union "On the Safety
of Products Intended
for Children and Adolescents"
(as amended by Decision of the Council
of the Eurasian Economic Commission
of 23 September 2022 No. 147)**

Footnote. The text in the upper right corner of Annex 7 as amended by Decision of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force upon expiry of 12 months from the date of its official publication).

Biological Safety Requirements for Toothbrushes, Gum Massagers and Similar Oral Care Products

Footnote. Annex 7 as amended by Decision of the Council of the Eurasian Economic Commission of 23.09.2022 No. 147 (enters into force upon expiry of 180 calendar days from the date of its official publication).

Indicator type	Indicator name	Indicator characteristic, standard value
1	2	3
Toxicological indicators ¹	acute oral toxicity	more than 5000 mg/kg
	effect on the mucous membranes of experimental animals	irritation index – 0 points
	sensitizing effect	no effect
	general toxic effect determined by alternative in vitro methods	absent
Clinical indicators	local irritant and allergenic effect	absent with a single use for 24 hours and with twice-daily use for 72 hours

cleaning effect (for toothbrushes only)	reduction of the Greene- Vermillion oral hygiene index by not less than 40 % of the initial value after a single control toothbrushing
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¹ Toxicological indicators are tested on aqueous model extracts from the respective products. Toxicological assessment is carried out by testing on laboratory animals (in vivo) or by alternative methods (in vitro).

**Annex No. 8
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 8 as amended by Decision of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force upon expiry of 12 months from the date of its official publication).

Biological and Chemical Safety Requirements for Clothing and Sewn Articles Made of Textile Materials

Footnote. The Requirements as amended by decisions of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force 12 months after the date of its official publication); of 23.09.2022 No. 147 (enters into force 180 calendar days after the date of its official publication).

Age group, age of user	Hygroscopicity (percent, not less than)	Air permeability (dm ³ /m ² s, not less than)	Mass fraction of free formaldehyde (µg/g, not more than)
1. 1st-layer clothing, bed linen, kerchiefs, headwear (summer), swimwear <1> and hosiery <1> items			
Nursery group, from 1 to 3 years	9 (not less than 7 is permitted for hosiery items for occasional use)	150 (not less than 70 is permitted for items made of flannel, fustian, fleece-backed (napped) knitted fabrics)	20
Preschool group, from 3 to 7 years	9 (not less than 7 is permitted for hosiery items for occasional use)	100 (not less than 70 is permitted for items made of flannel, fustian, fleece-backed (napped) knitted fabrics)	75

School group, from 7 to 14 years	9 (not less than 7 is permitted for hosiery items)	100 (not less than 70 is permitted for items made of flannel, fustian, fleece-backed (napped) knitted fabrics)	75
Adolescent group, from 14 to 18 years	6 (not less than 2 is permitted for hosiery items)	100 (not less than 70 is permitted for items made of flannel, fustian, fleece-backed (napped) knitted fabrics, bed linen)	75
2. 2nd-layer clothing, gloves <2>, mittens <2> and headwear <2>, autumn-winter range hosiery <1>			

Nursery group from 1 to 3 years	8 (not less than 6 is permitted for knitted items)	100 (not less than 70 is permitted for items made of flannel, fustian, fleece-backed (napped) knitted fabrics, denim and corduroy fabrics and materials with polyurethane threads)	75
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Preschool group, from 3 to 7 years	8 (permitted: not less than 6 for knitted items; not less than 4 for items for occasional use)	100 (not less than 70 is permitted for items made of flannel, fustian, fleece-backed (napped) knitted fabrics, denim and corduroy fabrics and materials with polyurethane threads)	75
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School group, from 7 to 14 years	7 (not less than 4 is permitted for knitted items and items for occasional use)	100 (not less than 70 is permitted for items made of flannel, fustian, fleece-backed (napped) knitted fabrics and materials with polyurethane threads; not less than 50 for denim and corduroy fabrics)	75
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Adolescent group, from 14 to 18 years	4 (not less than 2 is permitted for knitted items and items for occasional use)	100 (not less than 70 is permitted for items made of flannel, fustian, fleece-backed (napped) knitted fabrics and materials with polyurethane threads; not less than 50 for denim and corduroy fabrics)	75
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3. 3rd-layer clothing

Nursery group from 1 to 3 years	6 (for lining)	70 (for lining)	300
Preschool and school age groups, from 3 to 14 years	6 (for the lining of suit garments and sundresses)	70 (for lining)	300
Adolescent group, from 14 to 18 years	-	70 (for lining)	300

4. Bedding (quilted blankets, pillows, mattress pads, canopies, bolsters, soft cot bumpers and other similar items), scarves and other similar items <3>

Children's blankets	4 (for lining)	70 (for lining)	75 (for lining)
Bedding, except children's blankets	-	-	75
Children's scarves	-	-	75

Baby bunting bags	10 (for lining)	70 (for lining)	20
5. Finished piece textile articles (towels, blankets and similar items) <3>			
Children's towels and bath sheets	water absorption - not less than 300 percent in 10 min	-	75
Children's blankets	-	70	75

<1> Hygroscopicity is not determined in swimwear, and air permeability is not determined in hosiery.

<2> Hygroscopicity and air permeability are not determined in mittens, gloves, headwear and aprons.

<3> For children of all age groups, including children under 1 year of age.

Notes: 1. Tests for the "air permeability" indicator are not carried out on items which, by their design (sundresses, skirts, vests, shorts) or by the structure of the material (loose weave, openwork), imply high air permeability, nor on items having design elements that provide air exchange.

2. Tests for the "air permeability" indicator are not carried out on autumn-winter range trousers and bib overalls.

3. In lined 2nd-layer clothing and items, hygroscopicity and air permeability are determined separately for the outer material and for the lining material.

4. For children over 1 year of age and adolescents, hygroscopicity is not determined for trim parts and outer-shell parts of 2nd-layer items that have no direct contact or have limited contact (up to 10 % of the outer surface area of the item) with the user's skin, if they are intended for decorative finishing of the outer part of the item.

**Annex No. 9
to the Technical Regulation
of the Customs Union "On the Safety
of Products Intended for
Children and Adolescents"**

Footnote. Text in the upper right corner of Annex 9 as amended by decision of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force 12 months after the date of its official publication).

Requirements for the colour fastness of textile materials for clothing

Product name	Colour fastness (staining of white material) to the following agents (points, not less than)				
	washing	perspiration	dry rubbing	distilled water	sea water
1st-layer clothing and garments, including underwear articles, bed linen and similar articles	3 <1>- 4 <2>	3 <1>- 4 <2>	3	-	-
2nd-layer clothing and garments: upper material lining	3 4 <4>	3 4	3 <3> 4	- -	- -
3rd-layer clothing upper material lining	3 <4> 4 <4>	3 <4> 4	3 <3> 4	3	-

Hosiery articles, head-wear, scarves and other similar articles	3 <5>- 4 <6>	3 <5>- 4 <6>	3	-	-
Swimsuits and similar articles	3 <5>- 4 <6>	3 <5>- 4 <6>	3	-	3 <7>- 4 <8>
Blankets and similar articles	3 <9>	-	3	-	-

<1> Applies to articles made of dark-coloured knitted fabrics.

<2> Applies to textile materials other than dark-coloured knitted fabrics.

<3> A reduction of one point is permitted for indigo-dyed denim fabrics.

<4> Not determined for articles made of pure wool, wool and wool-blend suit and coat fabrics.

<5> Applies to articles made of wool, wool-blend, cotton and mixed textile materials.

<6> Applies to articles other than articles made of wool, wool-blend, cotton and mixed textile materials.

<7> Applies to swimsuits and similar articles made of synthetic fabrics.

<8> Applies to swimsuits and similar articles made of all fabrics except synthetic fabrics.

<9> For cotton and mixed blankets.

**Annex No. 10
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 10 as amended by Decision of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force upon expiry of 12 months from the date of its official publication).

Requirements for chemical safety applicable to textile materials

Materials	Name of released substances	Standard	
		Aqueous medium (not more than)	Air medium (mg/m ³), not more than
Natural, from plant raw materials	formaldehyde <1>		0,003
Man-made viscose and acetate	formaldehyde <1>		0,003
Polyester	formaldehyde <1>		0,003
	dimethyl terephthalate	1,5 mg/dm ³	0,01
	acetaldehyde	0,2 mg/dm ³	0,01
Polyamide	formaldehyde < 1 >		0,003
	caprolactam	0,5 mg/dm ³	0,06

hexamethylenediamine	0,01 mg/dm ³	0,001	
Polyacrylonitrile	formaldehyde < 1 >		0,003
	acrylonitrile	0,02 mg/dm ³	0,03
	dimethylformamide	10 mg/dm ³	0,03
	vinyl acetate	0,2 mg/dm ³	0,15
Polyvinyl chloride	formaldehyde < 1 >		0,003
	vinyl chloride	1,0 mg/kg	0,01
	acetone	0,1 mg/dm ³	0,35
	benzene	0,01 mg/dm ³	0,1
	toluene	0,5 mg/dm ³	0,6
	dioctyl phthalate	2,0 mg/dm ³	0,02
	dibutyl phthalate	not permitted	not permitted

phenol	0,05 mg/dm ³	0,003	
or sum of total phenols	0,1 mg/dm ³		
Vinyl alcohol	formaldehyde < 1 >		0,003
	vinyl acetate	0,2 mg/dm ³	0,15
Polyolefin	formaldehyde <1>		0,003
	acetaldehyde	0,2 mg/dm ³	0,01
Polyurethane	formaldehyde < 1 >		0,003
	ethylene glycol	1,0 mg/dm ³	1,0
	acetaldehyde	0,2 mg/dm ³	0,01
Extractable chemical elements (depending on the dye)	mercury (Hg) <2>	0,0005 mg/dm ³	-
	arsenic (As)	1,0 mg/kg	-
	lead (Pb)	1,0 mg/kg	-
	chromium (Cr)	2,0 mg/kg	-

cobalt (Co)	4,0 mg/kg	-
copper (Cu)	50,0 mg/kg	-
nickel (Ni)	4,0 mg/kg	-

<1> Aqueous medium: distilled water. The mass fraction of free formaldehyde shall comply with the standards laid down in Article 5 and Appendix No. 8 to this Technical Regulation.

<2> Only for materials made of natural fibres.

**Appendix No. 11
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Appendix 11 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of its official publication).

Additional chemical safety requirements for textile materials treated with finishes <1>

Name of released substances	Aqueous medium (mg/dm ³ , not more than)
Xylenes (mixture of isomers)	0,05
Methyl acrylate	0,02
Methyl methacrylate	0,25
Styrene	0,02
Methyl alcohol	0,2
Butyl alcohol	0,5
Phenol or sum of total phenols	<2>
Acetaldehyde	<2>
Vinyl acetate	<2>
Toluene	<2>
Formaldehyde	<2>

<1> the indicators are tested depending on the composition of the finishes used;

<2> - the standards for these indicators shall comply with the requirements of Appendix 10 to this Technical Regulation.

**Appendix No. 12
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Appendix 12 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of its official publication).

Safety requirements for clothing and fur products

User age	Name of indicator	Standardized value of indicator
For children over 1 year old	colour fastness to dry rubbing: hair covering, points leather tissue, points	not less than 4 not less than 3
	mass fraction of free formaldehyde, µg/g	not more than 75
	mass fraction of water-extractable chromium (VI), mg/kg	not more than 3,0
	pH of aqueous extract of leather tissue	not less than 3,5
	shrinkage temperature of fur leather tissue, °C	not less than 50

Annex No. 13
to the Technical Regulation
of the Customs Union "On Safety"

**of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 13 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of its official publication).

Biological and mechanical safety requirements for footwear

Footnote. Requirements as amended by decisions of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force 12 months after the date of its official publication); of 23.09.2022 No. 147 (enters into force 180 calendar days after the date of its official publication).

Sex and age group of the user	Name of indicator, properties	Standard value of the indicator
1	2	3
Under 1 year (bootees: sizes, mm: 95, 100, 105, 110, 115, 120, 125)	weight of a half-pair of footwear, g: bootees (except winter) winter bootees	not more than 60 not more than 110
From 1 year to 3 years (for nursery age: sizes, mm: 105, 110, 115, 120, 125, 130, 135, 140)	weight of a half-pair of footwear, g: winter and spring/autumn summer indoor flexibility, N/cm (N) (except winter) ⁵ heel height of footwear, mm: summer and indoor winter and spring/autumn	not more than 220 not more than 120 not more than 120 not more than 6 (40) not more than 6 not more than 10

From 3 to 5 years (small children's: sizes, mm: 145, 150, 155, 160, 165)	weight of a half-pair of footwear, g: winter and spring/autumn summer indoor flexibility, N/cm (N) (except winter)⁵ heel height, mm	not more than 300 not more than 170 not more than 130 not more than 11 (100) not more than 10
From 5 to 7 years (preschool: sizes, mm:170, 175, 180, 185, 190, 195, 200)	weight of a half-pair of footwear, g: winter and spring/autumn summer indoor flexibility, N/cm (N) (except winter)⁵ heel height, mm	not more than 380 not more than 200 not more than 150 not more than 11 (100) not more than 10
From 7 to 12 years (for schoolchildren - girls: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240)	heel height, mm	not more than 25

From 7 to 16 years (for schoolchildren - boys: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240)	heel height, mm	not more than 25
From 12 to 16 years (for schoolchildren - girls: sizes, mm: 225, 230, 235, 240)	heel height, mm	not more than 35
From 7 to 18 years (for schoolchildren - boys: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240; for schoolchildren - girls: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240; boys': sizes, mm: 245, 250, 255, 260, 265, 270, 275, 280; girls': sizes, mm: 225, 230, 235, 240, 245, 250, 255, 260)	flexibility, N/cm(N)	not more than 21 (180)

From 1 to 18 years (for nursery age: sizes, mm: 105, 110, 115, 120, 125, 130, 135, 140; small children's: sizes, mm: 145, 150, 155, 160, 165; preschool: sizes, mm: 170, 175, 180, 185, 190, 195, 200; for schoolchildren - boys: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240; for schoolchildren - girls: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240; boys': sizes, mm: 245, 250, 255, 260, 265, 270, 275, 280; girls': sizes, mm: 225, 230, 235, 240, 245, 250, 255, 260)	strength of attachment of bottom parts of footwear by thread and combined attachment methods, N/cm: attachment of the sole to the upper: - doppel, stitched- through, sandal; - side-stitched; - stitched-in; - cemented-stitched, stitched cemented- stitched for soles of non-porous rubber and upper material of genuine leather; - cemented-stitched, stitched cemented- stitched for other soles, except non-porous rubber;	not less than 140 not less than 70 not less than 100 not less than 110 not less than 50
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attachment of the sole to the midsole: welt-cemented, doppel-cemented, sandal-cemented, stitched sandal-cemented;	not less than 30
attachment of the sole to the welt by the welted method;	not less than 130
attachment of the welt to the insole: welted, welt-cemented;	not less than 120
attachment of the midsole to the welt by the welt-cemented method;	not less than 120
attachment of the midsole to the upper: sandal-cemented, doppel-cemented, stitched sandal-cemented;	not less than 120
strength of attachment of bottom parts of footwear by the nailed side-stitched attachment method, N/cm	not less than 100

From 1 to 7 years (for nursery age: sizes, mm: 105, 110, 115, 120, 125, 130, 135, 140; small children's: sizes, mm: 145, 150, 155, 160, 165; preschool: sizes, mm: 170, 175, 180, 185, 190, 195, 200)	strength of sole attachment of footwear by chemical attachment methods, N/cm:	
	of leather;	not less than 27
	of non-porous rubber;	not less than 29
	of porous rubber and polymer materials with a thickness of up to 6 mm (inclusive);	not less than 31
	of porous rubber and polymer materials with a thickness of over 6 up to 10 mm (inclusive)	not less than 40

From 7 to 16 years (for schoolchildren - boys: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240; for schoolchildren - girls: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240)	strength of sole attachment of footwear by chemical attachment methods, N/cm: of leather; of non-porous rubber; of porous rubber and polymer materials with a thickness of up to 6 mm (inclusive); of porous rubber and polymer materials with a thickness of over 6 up to 10 mm (inclusive); of porous rubber and polymer materials with a thickness of over 10 up to 25 mm (inclusive)	not less than 29 not less than 32 not less than 34 not less than 46 not less than 60
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From 16 to 18 years (boys': sizes, mm: 245, 250, 255, 260, 265, 270, 275, 280; girls': sizes, mm: 225, 230, 235, 240, 245, 250, 255, 260)	strength of sole attachment of footwear by chemical attachment methods, N/cm: of leather; of non-porous rubber; of porous rubber and polymer materials with a thickness of up to 6 mm (inclusive); of porous rubber and polymer materials with a thickness of over 6 up to 10 mm (inclusive); of porous rubber and polymer materials with a thickness of over 10 up to 25 mm (inclusive)	not less than 36 not less than 46 not less than 44 not less than 58 not less than 75
	heel height (except for girls' dress footwear), mm	not more than 35
	heel height of girls' dress footwear, mm	not more than 45

All sex and age groups (except children under 3 years) small children's: sizes, mm: 145, 150, 155, 160, 165;	Toe puff deformation, mm: total ¹ ; residual ²	not more than 2,5 not more than 1,0
	Counter deformation, mm: total ³ ;	not more than 4,0
preschool: sizes, mm: 170, 175, 180, 185, 190, 195, 200; for schoolboys: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240; for schoolchildren - girls: sizes, mm: 205, 210, 215, 220, 225, 230, 235, 240; boys': sizes, mm: 245, 250, 255, 260, 265, 270, 275, 280; girls': sizes, mm: 225, 230, 235, 240, 245, 250, 255, 260)	residual	not more than 1,0

All sex and age groups (small children's: sizes, mm: 135, 142, 150, 157, 165; preschool: sizes, mm: 172, 180, 187, 195; school: sizes, mm: 195, 202, 210, 217; girls': sizes, mm: 225, 232, 240, 247, 255; boys': sizes, mm: 225, 232, 240, 247, 255)	waterproofness (for rubber, polymer, rubber-textile and polymer-textile footwear)	the inner surface of the footwear must be dry
All sex and age groups (preschool; sizes, mm: 130-190; school; sizes, mm: 200- 230)	mass of a pair of felt footwear, g	not more than 700
	mass fraction of free sulphuric acid (in aqueous extract) of felt footwear, percent	not more than 0,7

¹ - for materials other than thermoplastic and elastic ones;

² - for thermoplastic and elastic materials;

³ - for materials other than thermoplastic ones and board with an increased leather-fibre content;

⁴ - for thermoplastic materials and board with an increased leather-fibre content.

For house and travel footwear, the strength of attachment of the upper to the bottom components may be 15 % lower than the norms specified in the table.

The safety indicator standards are established for the base (average) sizes of children's footwear: bootees - 110, nursery - 130, small children's - 155, preschool - 185, schoolgirls - 225, schoolboys - 230, girls' - 235, boys' - 265.

In footwear with cement-stitched and seam cement-stitched attachment methods, the strength norms for the adhesive bond between the sole and the upper shall correspond to the norms specified in the table for chemical attachment methods (for soles of the corresponding materials, thicknesses and sex and age groups).

When new materials and attachment methods not provided for by this Technical Regulation are used, the strength norms for attachment of bottom components shall be equated to the norms for footwear with similar attachment methods for the corresponding sex and age groups in accordance with the table.

⁵ Winter footwear is not tested for the "flexibility" indicator until a standard value is established.

**Annex No. 14
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. Text in the upper right corner of Annex 14 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of

its official publication).

Table 1

Requirements for biological and mechanical safety applicable to leather goods

Product Name	Name of indicator, properties	Standard value of indicator
School satchels, bags, briefcases and backpacks	weight of item for pupils of primary grades, g	not more than 700
	weight of item for pupils of middle and senior grades, g	not more than 1000
	breaking load of handle attachment points or maximum load, N	not less than 70
	colour fastness to dry rubbing, points	not less than 4

wet rubbing, points	not less than 3	
Gloves, mittens waist belts and small leather goods	colour fastness to dry and wet rubbing, points	not less than 4
	perspiration, points	not less than 3

Table 2

Requirements for the dimensions of products for primary school pupils

Indicators	Safe level, mm
Length (height)	300-360
Height of the front wall	220-260
Width	60-100
Shoulder strap length, not less than	600-700
Shoulder strap width in the upper part (over a length of 400-450 mm), not less than Further along, not less than	35-40 20-25

Dimensions may be increased by no more than 30 mm.

Table 3

Requirements for chemical safety of materials for school satchels, backpacks and briefcases

Materials	Name of released substances	Standard
		Air (mg/m ³), not more than
Natural materials of plant origin, genuine leather	formaldehyde	0,003*
Polyamide	formaldehyde	0,003*
	caprolactam	0,06
	hexamethylenediamine	0,001
Polyester	formaldehyde	0,003*
	dimethyl terephthalate	0,01
	acetaldehyde	0,01

Polyacrylonitrile	formaldehyde	0,003*
	acrylonitrile	0,03
	vinyl acetate	0,15
Polyurethane	formaldehyde	0,003*
	toluene diisocyanate	0,002
	acetaldehyde	0,01
Polyvinyl chloride	formaldehyde	0,003*
	phenol	0,003
	dioctyl phthalate	0,02
	dibutyl phthalate	not permitted
	acetone	0,35
Artificial viscose and acetate	formaldehyde	0,003*
Polyolefin	formaldehyde	0,003*

acetaldehyde	0,01	
Vinyl acetates (artificial leather)	formaldehyde	0,003*
	vinyl acetate	0,15
	dioctyl phthalate	0,02
	dibutyl phthalate	not permitted
Synthetic leather	formaldehyde	0,003*
	dibutyl phthalate	not permitted
	dioctyl phthalate	0,02
Rubber	formaldehyde	0,003*
	dibutyl phthalate	not permitted
	dioctyl phthalate	0,02
Cardboard	formaldehyde	0,003*

* The standard is specified without taking into account background pollution of ambient air.

**Annex No. 15
to the Technical Regulation
of the Customs Union "On the Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 15 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication).

Chemical safety requirements for chemical and polymeric materials

Name of material	Name of the determined harmful substance	Standard	
		aqueous medium (mg/dm ³ , not more than)	air medium (mg/m ³ , not more than)
Polyamides	caprolactam	0,5	0,06
	hexamethylenediamine	0,01	0,001
Polyurethanes	formaldehyde	300 mg/kg	0,003
	toluylene diisocyanate	-	0,002
	acetaldehyde	0,2	0,01
Polyesters	formaldehyde	300 mg/kg	0,003
	dimethyl terephthalate	1,5	0,01

acetaldehyde	0,2	0,01	
Polyacrylates	acrylonitrile	0,02	0,03
	methyl methacrylate	0,25	0,01
Polyvinyl chloride	acetaldehyde	0,2	0,01
	dioctyl phthalate	2,0	0,02
	dibutyl phthalate	not permitted	not permitted
Rubber	thiuram	0,5	-
	zinc	1,0	-
	dioctyl phthalate	2,0	0,02
	dibutyl phthalate	not permitted	not permitted
Vinyl acetates (artificial leathers)	formaldehyde	300 mg/kg	0,003
	vinyl acetate	0,2	0,15
	dioctyl phthalate	2,0	0,02

dibutyl phthalate	not permitted	not permitted
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Note. The toxicity index of product materials shall be from 70 to 120 percent inclusive in an aqueous medium, and from 80 to 120 percent inclusive in an air medium.

**Annex No. 16
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 16 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication).

Requirements for the typographic design of text in book and magazine publications for children of senior preschool age (3-6 years)

Type size (points, not less than)	Leading increase (points, not less than)	Minimum line length (mm)	Typeface characteristics	
			group	style
20 and more	2	117	sans-serif, new low-contrast	normal or wide, light, upright
16 and 18	4	117	sans-serif, new low-contrast	normal or wide, light, upright
14	4	108	sans-serif	normal, wide or extra- wide, light, upright

12*	2	90	sans-serif	normal, wide or extra- wide, light, upright
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* For text of 200 characters or fewer per page.

**Annex No. 17
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 17 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force upon expiry of 12 months from the date of its official publication).

Requirements for the typographic design of text in book and magazine publications for children of primary school age (7-10 years)

Types of publications	Amount of text read at one time (number of characters)	Font size (points, not less than)	Increase in line spacing (points, not less than)	Mini- mum length of line (mm)	Typeface characteristics	
					group	style

Literary and artistic, popular science, develop- mental learning and supple- mentary education publica- tions	more than 600	20	2	90	sans- serif, new low- con- trast	normal or wide, light, upright
	more than 600	14- 18	2	81	sans- serif, new low- con- trast	normal or wide, light, upright
	more than 600	12	2	81	sans- serif	normal or wide, light or semi- bold, upright

not more than 600	10	2	41	sans-serif	normal, upright	
not more than 600	12*	2	41	sans-serif	normal, semi-bold, upright	
Reference and leisure publications	more than 600	14	2	81	sans-serif, new low-contrast	normal or wide, light, upright
	more than 600	12	2	81	sans-serif	normal or wide, light or semi-bold, upright

from 200 to 600	10	2	41	sans- serif	normal, upright
not more than 200	12*	2	41	sans- serif	normal, semi- bold, upright
not more than 200	10	-	-	-	normal, upright

* permitted for reversed type where the optical density of the background is not less than 0,5 and the text is printed in colour inks.

**Annex No. 18
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 18 as amended by Decision of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force 12 months after the date of its official publication).

**Requirements
for the typography of text in book
and magazine publications for children of middle school**

age (11 - 14 years)

Types of publications	Amount of text read at one sitting (num- ber of characters)	Font size (points, at least)	Increase in inter- line spacing (points, at least)	Mini- mum length of line (mm)	Font characteristics	
					group	style

Fiction and literary publications, popular- science publications and those for supple- mentary education	more than 1500	10	2	72	-	normal or wide, light, upright
	not more than 1500	9	2	41	-	normal or wide, light or semi- bold, upright or italic

not more than 1500	12*	2	41	sans-serif	normal, semi-bold, upright	
Reference publications and those for leisure	more than 1500	10	2	72	-	normal or wide, light, upright
	not more than 1500	10*	2	41	sans-serif	normal, semi-bold, upright
	from 1000 to 1500	9	-	41	-	normal

from 600 to 1000	8	2	41	-	nor- mal, upright
not more than 600	8	-	-	-	normal

* Permitted for reversed-out type with a background optical density of at least 0,5 and text printed in colored inks.

** Permitted for reversed-out type with a background optical density of at least 0,5 and text printed in colored inks; for font sizes above 10 points, the typeface group is not regulated.

**Annex No. 19
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 19 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication).

Requirements for the typographic design of text in book and magazine publications for children of senior school age (15-18 years)

Types of publications	Volume of text read at one sitting (num- ber of characters)	Font size (points, not less than)	Increase in line spacing (points, not less than)	Mini- mum length of line (mm)	Typeface style
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Literary and artistic, popular science and supple- mentary education publica- tions	more than 2000	10	2	63	normal or wide, light, upright
	more than 2000	10	-	68	normal or wide, light, upright
	more than 2000	9	2	63	normal or wide, light, upright
	not more than 2000	8	2	41	normal or wide, light or semi-bold, upright or italic
	not more than 2000	10*	2	41	normal, semi-bold, upright

Reference and leisure publications	more than 2000	10	2	63	normal or wide, light, upright
	more than 2000	10	-	68	normal or wide, light, upright
	more than 2000	9	2	63	normal or wide, light, upright
	not more than 2000	10*	-	41	normal, semi-bold, upright
	from 1000 to 2000	8	2	41	normal, upright
	from 600 to 1000	8	-	-	normal, upright

not more than 600	8	-	-	normal
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* Permitted for reversed-out type with a background optical density of not less than 0,4 and printing of text in coloured inks.

**Annex No. 20
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 20 as amended by Decision of the Council of the Eurasian Economic Commission of 28.04.2017 No. 51 (enters into force upon expiry of 12 months from the date of its official publication).

Requirements for the typographic design of text in 2- and 3-column typesetting in book and magazine publications <1>

Age group	Two-column typesetting permitted	Distance between columns (mm, not less than)	Three-column typesetting permitted	Distance between columns (mm, not less than)
Preschool age (3-6 years)	for poetry	12	-	-
Primary school age (7-10 years)	for poetry	12	-	-
	in popular-science publications	9	-	-

in reference and leisure publications	9 or 6**	-	-	
Middle school age (11-14 years)	for poetry	9	in reference and leisure publications	9 or 6**
	in popular- science, reference and leisure publications	9 or 6**	-	-
Senior school age (15-18 years)	in all types of publications	9 or 6**	in reference and leisure publications	6

*The typographic design parameters shall comply with the requirements according to the type of publication and the age of the user.

** If a dividing line is present.

**Annex No. 21
to the Technical Regulation
of the Customs Union "On Safety
of Products Intended for
Children and Adolescents"**

Footnote. The text in the upper right corner of Annex 21 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication).

Requirements for the typographic design of text in book and magazine publications when printed on a coloured or grey background and on multicolour illustrations

Age group	Volume of text read at one sitting (number of characters)	Font size (points, at least)	Increase in line spacing (points, at least)	Minimum length of line (mm)	Typeface characteristics	
					typeface group	typeface style
Preschool age (3-6 years)	200 or more	18	4	117	sans-serif	normal or wide, semi-bold, upright

not more than 200	14	4	-	sans-serif	normal or wide, semi-bold, upright	
Primary school age (7-10 years)	600 or more	14	2	81	sans-serif	normal or wide, semi-bold, upright
	from 200 to 600	14	2	41	sans-serif	normal or wide, semi-bold, upright

not more than 200	12	2	41	sans-serif	normal or wide, semi-bold, upright	
Middle school age (11 - 14 years)	1500 or more	12	2	72	-	normal or wide, semi-bold, upright
	from 1000 to 1500	10	2	41	-	normal, light or semi-bold, upright

from 1000 to 1500	9	2	41	-	normal, semi- bold, upright
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Age group	Volume of text read at one sitting (number of characters)	Font size (points, at least)	Increase in line spacing (points, at least)	Minimum length of line (mm)	Typeface characteristics	
					typeface group	typeface style
Middle school age (11 - 14 years)	from 600 to 1000	9	2	41	-	normal, semi-bold, upright
	not more than 600	9	-		-	normal, semi-bold

Senior school age (15-18 years)	2000 or more	9	2	63	-	normal or wide, light, upright
	from 1000 to 2000	8	2	41	-	normal, semi-bold, upright
	from 600 to 1000	8	-	-	-	normal, semi-bold, upright
	not more than 600	8	-	-	-	normal, semi-bold

Annex No. 22
to the Technical Regulation
of the Customs Union "On the Safety
of Products Intended for
Children and Adolescents"

Footnote. The text in the upper right corner of Annex 22 as amended by Decision of the Council of the Eurasian Economic Commission No. 51 of 28.04.2017 (enters into force 12 months after the date of its official publication).

Table 1

Permissible migration levels of chemical substances released into a model medium during testing of school stationery

Name of materials, products	Name of the substance determined	Migration limit	
		aqueous medium (mg/dm ³ , not exceeding)	air medium (mg/m ³ , not exceeding)
Acrylonitrile-butadiene-styrene plastics	α-methylstyrene	0,1	0,04
	acrylonitrile	0,02	0,03
	benzaldehyde	0,003	0,04
	benzene	0,01	0,1
	Xylenes (mixture of isomers)	0,05	0,2
	styrene	0,01	0,002
	toluene	0,5	0,6

ethylbenzene	0,01	0,02	
Polystyrene and styrene copolymers	acrylonitrile	0,02	0,03
	acetaldehyde	0,2	0,01
	acetone	0,1	0,35
	benzaldehyde	0,003	0,04
	benzene	0,01	0,1
	butadiene	0,05	1,0
	xylenes (mixture of isomers)	0,05	0,2
	cumene (isopropylbenzene)	0,1	0,014
	methyl methacrylate	0,25	0,01
	butyl alcohol	0,5	0,1
	methyl alcohol	0,2	0,5
	styrene	0,01	0,002

toluene	0,5	0,6	
formaldehyde	0,1	0,003	
ethylbenzene	0,01	0,02	
Polyolefin-based materials	acetaldehyde	0,2	0,01
	acetone	0,1	0,35
	hexane	0,1	-
	hexene	-	0,085
	heptane	0,1	-
	heptene	-	0,065
	isopropyl alcohol	0,1	0,6
	butyl alcohol	0,5	0,1
	isobutyl alcohol	0,5	0,1
	methyl alcohol	0,2	0,5
	propyl alcohol	0,1	0,3

formaldehyde	0,1	0,003
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Name of materials, products	Name of the substance determined	Migration limit	
		aqueous medium (mg/dm ³ , not exceeding)	air medium (mg/m ³ , not exceeding)
	ethyl acetate	0,1	0,1
Polymers based on	acetaldehyde	0,2	0,01
vinyl acetate	vinyl acetate	0,2	0,15
	hexane	0,1	-
	heptane	0,1	-
	formaldehyde	0,1	0,003
Polyvinyl chlorides	acetaldehyde	0,2	0,01
	acetone	0,1	0,35
	benzene	0,01	0,1

vinyl chloride	0,01	0,01
dibutyl phthalate	not permitted	not permitted
dimethyl phthalate	0,3	0,007
dioctyl phthalate	2,0	0,02
diethyl phthalate	3,0	0,01
butyl alcohol	0,5	0,1
isobutyl alcohol	0,5	0,1
isopropyl alcohol	0,1	0,6
methyl alcohol	0,2	0,5
propyl alcohol	0,1	0,3
toluene	0,5	0,6

phenol or sum of total phenols	0,05 0,1	0,003	
zinc	1,0	-	
tin	2,0	-	
Polyurethanes	acetaldehyde	0,2	0,01
	acetone	0,1	0,35
	benzene	0,01	0,1
	butyl acetate	0,1	0,1
	isopropyl alcohol	0,1	0,6
	methyl alcohol	0,2	0,5
	propyl alcohol	0,1	0,3
	toluene	0,5	0,6
	formaldehyde	0,1	0,003
	ethyl acetate	0,1	0,1

ethylene glycol	1,0	1,0	
Polyamides	benzene	0,01	0,1
	hexamethylenediamine	0,01	0,001
	e-caprolactam	0,5	0,06
	methyl alcohol	0,2	0,5
	phenol or sum of total phenols	0,05 0,1	0,003
Polyacrylate	acrylonitrile	0,02	0,03
	hexane	0,1	-
	heptane	0,1	-
	methyl methacrylate	0,25	0,01
Materials on	acetaldehyde	0,2	0,01
the basis of polyesters	acetone	0,1	0,35

Name of materials, products	Name of the substance determined	Migration limit	
		aqueous medium (mg/dm ³ , not exceeding)	air medium (mg/m ³ , not exceeding)
	zinc diethyldithiocarbamate (ethyl zimate)	0,5	-
	dimethyl phthalate	0,3	0,007
	dibutyl phthalate	not permitted	not permitted
	dioctyl phthalate	2,0	0,02
	diethyl phthalate	3,0	0,01
	diphenylguanidine	0,5	-
	captax (2-mercaptobenzothiazole)	0,4	-

styrene (vinylbenzene)	0,01	0,002	
sulfenamide Ts (cyclohexyl- 2- benzothiazole- sulfenamide)	0,4		
thiuram D (tetramethylthiuram disulfide)	0,5		
thiuram E (tetraethylthiuram disulfide)	0,5		
zinc	1,0	-	
Silicones	acetaldehyde	0,2	0,01
	benzene	0,01	0,1
	butyl alcohol	0,5	0,1

methyl alcohol	0,2	0,5	
phenol or sum of total phenols	0,05 0,1	0,003	
formaldehyde	0,1	0,003	
Paper, cardboard	acetaldehyde	0,2	0,01
	acetone	0,1	0,35
	benzene	0,01	0,1
	butyl acetate	0,1	0,1
	xylenes (mixture of isomers)	0,05	0,2
	butyl alcohol	0,5	0,1
	isobutyl alcohol	0,5	0,1
	methyl alcohol	0,2	0,5

isopropyl alcohol	0,1	0,6	
toluene	0,5	0,6	
formaldehyde	0,1	0,003	
ethyl acetate	0,1	0,1	
zinc	1,0	-	
lead*			
arsenic*			
chromium*			
Wood	acetaldehyde	0,2	0,01
	butyl alcohol	0,5	0,1
	isobutyl alcohol	0,5	0,1
	methyl alcohol	0,2	0,5

Name of materials, products	Name of the	Migration limit	
	substance determined	aqueous medium (mg/dm ³ , not exceeding)	air medium (mg/m ³ , not exceeding)
	isopropyl alcohol	0,1	0,6
	phenol or sum of total phenols	0,05 0,1	0,003
	formaldehyde	0,1	0,003
Ceramics, glass	aluminium	0,5	-
	boron	0,5	-
	zinc	1,0	-
	titanium	0,1	-
Artificial fur and textiles	acrylonitrile	0,02	0,03
	acetone	0,1	0,35

benzene	0,01	0,1	
vinyl acetate	0,2	0,15	
methyl alcohol	0,2	0,5	
toluene	0,5	0,6	
phenol or sum of total phenols	0,05 0,1	0,003	
formaldehyde	50 µg/g	0,003	
Pencils, felt-tip pens and other similar products	phenol or sum of total phenols	0,05 0,1	0,003
	formaldehyde	0,1	0,003

* - limits in accordance with Table 2 of Annex 22

Table 2

Permissible Migration of Heavy Metal Salts from Materials Used in the Manufacture of School and Writing Supplies

Maximum permissible migration of heavy metal salts from 1 kg of material, mg							
antimony	arsenic	barium	cadmium	chromium	lead	mercury	selenium
60	25	1000	75	60	90	60	500

APPROVED
by Decision of the Commission
of the Customs Union
No. 797 of 23 September 2011

LIST of standardization documents, the voluntary application of which ensures compliance with the requirements of the Technical Regulation of the Customs Union "On the Safety of Products Intended for Children and Adolescents" (TR CU 007/2011)

Footnote. The List as amended by decisions of the Board of the Eurasian Economic Commission of 27.11.2012 No. 239 (enters into force upon expiry of 30 calendar days from the date of its official publication); of 10.06.2014 No. 90 (enters into force upon expiry of 30 calendar days from the date of its official publication); of 19.12.2017 No. 175 (enters into force upon expiry of 30 calendar days from the date of its official publication).

Designation and title of documents	Confirmed requirements of the standard or code of practice
Feeding teats, soothers	
GOST R 51068-97 "Children's latex teats. Specifications"	Section 4; clauses 4.2.4, 4.2.6, 4.2.7, 4.2.9, 4.2.10
Child care products, sanitary and hygienic, made of rubber	
GOST 3251-91 "Rubber-fabric underlay sheeting"	Section 1; clauses 1.3.2, 1.3.3
GOST 3302-95 "Rubber ice bags. Specifications"	Section 4; clauses 4.1.1, 4.1.2,
GOST 3303-94 "Rubber hot-water bottles. Specifications"	4.1.3 Section 4; clauses 4.1.1, 4.1.2, 4.2.2

**Child care products, sanitary and hygienic,
haberdashery, made of plastics**

GOST R 50962-96 "Tableware and household

articles made of plastics.

General specifications"

GN 2.3.3.972-00 "Maximum permissible quantities of chemical substances

released from materials

in contact with food"

Section 3;

clauses 3.6.1, 3.8

table 1 items 1,

2, 3, 7, 11, 26

Section 1

ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications"

Section 3;

clauses 3.6.1, 3.8, table 1 items 1, 2, 3, 7, 11, 26

**Child care products, sanitary and hygienic,
haberdashery, made of metal**

GOST 24788-2001 "Household enamelled steel utensils. General technical specifications" GOST 20558-82 "Galvanized steel household utensils and articles. General specifications" GN 2.3.3.972-00 "Maximum permissible quantities of chemical substances released from materials in contact with food"	Section 5; clauses 5.3.1.8, 5.3.2.8 Section 3; clauses 3.13, 3.30 Sections 7, 8, 9, 11
Single-use sanitary and hygienic products	
GOST R 52557-2011 "Children's paper diapers. General specifications"	Section 3; section 5; clauses 5.10 and 5.11
Tableware, cutlery	
GOST 30407-96 (ISO 7081-1-82, ISO 7086-2-82) "Glass tableware and decorative articles. General specifications"	Section 6; clauses 6.1, 6.3, 6.4, 6.6, 6.7

GOST 28391-89 "Faience articles. Specifications"	Section 1; clauses 1.2.7, 1.2.14, 1.2.15
GOST 32094-2013 "Majolica tableware. Specifications"	Section 4; clauses 4.11, 4.12, 4.13
GOST 32092-2013 "Pottery tableware. Specifications"	Section 4; clauses 4.13, 4.16, 4.17
GOST R 53545-2009 "Stoneware ceramic tableware. Specifications"	Section 4; clauses 4.9, 4.12
GOST R 52223-2004 "Enamelled steel cookware with non-stick coating. Specifications"	Section 4; clause 4.2.7
GOST 28389-89 "Porcelain and faience articles. Marking, packaging, transportation and storage"	Section 1; clauses 1.1, 1.9
GOST 27002-86 "Corrosion-resistant steel tableware. General specifications"	Section 3, clause 3.2
GOST R 51687-2000 "Corrosion-resistant steel cutlery and kitchen utensils. General specifications"	Section 5; clause 5.25

GOST R 50962-96 "Tableware and household articles made of plastics. General specifications"	Section 3; clauses 3.6.1, 3.8 table 1 items 1, 2, 3, 7, 11,26
ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications"	Section 3; clauses 3.6.1, 3.8, table 1 items 1, 2, 3, 7, 11, 26
Toothbrushes, gum massagers and similar products intended for oral care	
GOST 6388-91 (ISO 8627-87) "Toothbrushes. General specifications"	Section 2; clauses 2.2.5, 2.2.6, 2.2.8
Made-up textile articles	
GOST 9382-2014 "Pure wool, wool and wool-blend blankets. General specifications"	Clause 3.4.5
GOST 10232-77 "Pure linen, linen and linen-blend towelling fabrics and made-up articles. General specifications" (applies until 1 January 2019)	Section 1; clause 1.11

GOST 10524-74 "Linen and linen-blend terry fabrics and made-up articles. General specifications" (applies until 1 January 2019)	Section 1; clause 1.7
GOST 33201-2014 "Pure linen, linen and linen-blend table linen and towelling fabrics and made-up articles made from them. General specifications"	Clauses 4.1.6, 4.1.11, 4.1.12
GOST 10524-2014 "Linen and linen-blend terry fabrics and made-up articles. General specifications"	Clauses 4.1.7, 4.1.12, 4.1.13
GOST 11027-2014 "Cotton terry and waffle fabrics and made-up articles. General specifications"	Clauses 3.3.11, 3.4.3
GOST 27832-88 "Cotton and blended blankets. General specifications"	Section 1; clause 1.2.8
GOST 11381-83 "Cotton handkerchiefs. General specifications"	Section 1; clause 1.6
GOST 11372-84 "Cotton, blended and viscose-yarn headscarves"	Section 1; clause 1.8

GOST 9441-2014 "Pure wool, wool and wool-blend kerchiefs, scarves and stoles. General specifications"	Clauses 3.12.2, 3.12.3
STB 872-2007 "Nonwoven terry fabrics and made-up articles. General specifications"	Section 4; clauses 4.2.5, 4.2.6
STB 638-2001 "Made-up articles. General specifications"	Section 4; clauses 4a. 1, 4a. 5
STB 1017-96 "Cotton and blended terry and waffle fabrics and made-up articles. General specifications"	Section 3; clauses 3.2.2, 3.2.3
Knitwear	
GOST 3897-87 "Knitwear. Marking, packaging, transportation and storage"	The standard as a whole
GOST 5007-2014 "Knitted gloves and mittens. General specifications"	Clauses 4.10.2, 4.10.3
GOST 5274-2014 "Knitted scarves and kerchiefs. General specifications"	Clause 3.9.4
GOST 8541-2014 "Hosiery produced on circular hosiery machines. General specifications"	Clause 5.2.6

GOST 31405-2009 "Knitted underwear for women and girls. General specifications"	Section 4; clauses 4.3.4, 4.3.5
GOST 31406-2009 "Knitted swimwear. General specifications"	Section 4; clauses 4.3.2, 4.3.3
GOST 31407-2009 "Knitted underwear for newborns and children of nursery age. General specifications"	Section 4; clauses 4.2.3 (in respect of air permeability), 4.3.3
GOST 31408-2009 "Knitted underwear for men and boys. General specifications"	Section 4; clauses 4.3.3, 4.3.4
GOST 31409-2009 "Knitted outerwear for women and girls. General specifications"	Section 4; clauses 4.3.3 (in respect of air permeability), 4.3.5
GOST 31410-2009 "Knitted outerwear for men and boys. General specifications"	Section 4; clauses 4.3.4, 4.3.5 (in respect of air permeability)
GOST 33378-2015 "Knitted headwear. General specifications"	Clauses 3.3.3, 3.3.4, 3.3.5, 3.3.7

STB 1301-2002 "Tights and leggings produced on circular hosiery machines. General specifications"	Section 6; clause 6.3
Clothing and articles made of textile materials and leather	
GOST 25294-2003 "Outerwear of the dress and blouse range. General specifications"	Clauses 5.2.3, 5.4.3
GOST 25295-2003 "Outerwear of the coat and suit range. General specifications"	Clauses 5.2.3, 5.4.3, 5.4.4
GOST 30327-2013 "Shirts. General specifications"	Clauses 5.2.2, 5.4
GOST 25296-2003 "Sewn underwear and linen products. General specifications"	Section 5; clauses 5.2.2, 5.4.2, 5.4.3
GOST 29097-91 "Corsetry. General specifications" (applies until 1 January 2019)	Section 2; clause 2.1.3
GOST 29097-2015 "Corsetry. General specifications"	Clause 4.2.2

GOST 32119-2013 "Products for newborns and children of nursery age. General specifications"	Clauses 3.1, 4.2.4, 4.2.6, 4.2.7, 4.3.1, 4.3.3, 4.4.4
GOST 31307-2005 "Bed linen. General specifications"	Section 4; clauses 4.1.2, 4.1.3, 4.1.5
GOST 13527-78 "Woven made-up articles and printed fabrics of pure wool and wool blends. Colour fastness standards and methods for its determination"	Section 1
GOST 10581-91 "Sewn products. Marking, packaging, transportation and storage"	The standard as a whole
GOST 7779-2015 "Silk and half-silk fabrics and made-up articles. Colour fastness standards and methods for its determination"	Clauses 3.3, 3.4
GOST 30386-95 "Textile materials. Maximum permissible concentrations of free formaldehyde"	Section 3

GOST 30332-95/GOST R 50576-93 "Feather and down products. General specifications" (applies until 1 January 2019)	Section 3; clause 3.3.3
GOST 30332-2015 "Feather and down products. General specifications"	Clauses 3.5.3, 3.5.4, 3.5.9, 3.5.11
GOST 31293-2005 "Leather clothing. General specifications"	Section 5; clause 5.2.1
GOST 1875-83 "Leather for clothing and headwear. Specifications"	Section 2; clause 2.2
STB 936-93 "Quilted blankets and bedspreads. General specifications"	Section 4; clauses 4.2.2, 4.2.17
STB 753-2000 "Pillows. General specifications"	Section 4; clauses 4.20, 4.21
STB 1128-98 (GOST R 50713-94) "Products for newborns and children of the nursery group. General specifications"	Section 4; clauses 4.1.11, 4.1.12, 4.1.13, 4.1.15, 4.1.16
STB 1432-2003 "Headwear. General specifications"	Section 7; clause 7.2

GOST 32118-2013 "Headwear. General specifications"	Clause 3.1
Fur clothing and articles	
GOST 32084-2013 "Fur clothing. General specifications"	Clause 5.5.3
GOST 32083-2013 "Fur-lined clothing. General specifications"	Clause 5.5.3
GOST R 52585-2006 "Clothing made of fur skins with a finished leather side and of sheepskin for coats. General specifications"	Section 5; clause 5.5
GOST 19878-2014 "Furs, fur and sheepskin coat products. Marking, packaging, transportation and storage"	Clause 3
GOST 20176-84 "Fur gloves and mittens. General specifications"	Section 1
GOST 10325-2014 "Fur headwear. General specifications"	Clause 5.2
Footwear	

GOST 6410-80 "Glued rubber and rubber-textile overboots, boots and shoes.

Specifications"

GOST 126-79 "Glued rubber galoshes.

Specifications"

Section 2; clause 2.10

Section 2; clause 2.10

GOST 18724-88 "Felted coarse-wool footwear. Specifications"	Section 1; clauses 1.2.1 table
GOST 1135-2005 "Home and travel footwear. Specifications"	2 in respect of the weight of a half-pair of footwear, 1.2.4
GOST 5394-89 "Yuft leather footwear. General specifications"	table 5 in respect of the mass fraction of free sulphuric acid
GOST 26165-2003 "Children's footwear. General specifications"	Section 3; clause 3.4, section 4; clauses 4.4.3, 4.4.4, 4.4.5, 4.5.1
GOST 7296-2003 "Footwear. Marking, packaging, transportation and storage"	Section 2; clauses 2.2.3, 2.2.4 Section 3; clause 3.6, section 4; clauses 4.5, 4.6, 4.7
STB 1042-97 "Footwear for active leisure. General specifications"	In respect of marking requirements Section 3; clause 3.3, section 4; clauses

Leather goods	
GOST 25871-83 "Leather goods. Packaging, marking, transportation and storage"	In respect of marking requirements
GOST 28631-2005 "Bags, suitcases, briefcases, school satchels, folders, small leather goods. General specifications"	Section 5; clauses 5.2, 5.3.2 table 1 in respect of the breaking load of handle attachment points, 5.3.3
GOST 28754-90 "Waist belts and watch straps.	Section 2, clause 2.2.4
General specifications" GOST 28846-90 (ISO 4418-78) "Gloves and mittens. General specifications"	Section 2, clause 2.2.3
Baby carriages	
GOST 19245-93 "Baby carriages. General specifications"	The standard as a whole
Bicycles	

GOST 7371-89 "Children's bicycles. General specifications"	Section 3; clauses 3.1.3, 3.1.10, 3.1.11, 3.1.13, 3.1.16, 3.1.19, 3.1.20, 3.1.21, 3.1.22
GOST 28765-90 (ISO 8098-90) "Bicycles for young children. Safety requirements"	The standard as a whole
GOST 31741-2012 "Bicycles. General specifications"	The standard as a whole
GOST 29235-91 (ISO 6742-2-85) "Bicycles. Retro-reflective devices, photometric and physical requirements"	The standard as a whole
GOST R ISO 8098-2012 "Bicycles for young children. Safety requirements" (applies until 1 January 2020)	The standard as a whole
Publishing (book and magazine) products	

GOST 7.60-2003 "System of standards on information, librarianship and publishing. Publications. Main types. Terms and definitions" GOST 3489.1-71 "Printing typefaces (on Russian and Latin Greek bases). Grouping. Indexing. Type line. Capacity" GOST 3489.23-71 "Printing typefaces. School typeface (for alphabets on Russian and Latin graphic bases). Purpose. Design. Type line. Capacity"	The standard as a whole The standard as a whole The standard as a whole
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APPROVED
by Decision of the Commission
of the Customs Union
of 23 September 2011 No. 797

IZPI note!

Amendments to the list are provided for by Decision of the Eurasian Economic Board No. 3 of 11.01.2022 (enters into force upon expiry of 30 calendar days from the date of its official publication).

LIST

of documents in the field of standardization containing the rules and methods of research (testing) and measurement, including sampling rules, necessary for the application and implementation of the Technical Regulation of the Customs Union "On the safety of products intended for children and adolescents" (TR CU 007/2011) and for the conformity assessment of objects of technical regulation

Footnote. The title as amended by Decision of the Board of the Eurasian Economic Commission dated 19.12.2017 No. 175 (enters into force upon expiry of 30 calendar days from the date of its official publication).

Footnote. The List as amended by Decisions of the Board of the Eurasian Economic Commission dated 27.11.2012 No. 239 (enters into force upon expiry of 30 calendar days from the date of its official publication); dated 10.06.2014 No. 90 (enters into force upon expiry of 30 calendar days from the date of its official publication); dated 19.12.2017 No. 175 (enters into force upon expiry of 30 calendar days from the date of its official publication).

Se- rial num- ber of the item	Requirements of the Technical Regulation being confirmed	Designation and title of documents in the field of standardization
Childcare products		

1	General safety requirements: - toxicity index	MU 1.1.037-95 "Biotesting of products made of polymer and other materials" MR No. 29 FTs/2688-03 "Express method for assessing the toxicity of air samples by water-soluble components with the use, as the test object, of bovine sperm".
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- change in pH
of the aqueous extract

clause
5.1.2
"MU for
the
sanitary-
chemical

study of
children's
latex
teats and

soother
bulbs"
dated
19.10.90

2	Sampling	GOST 18321-73 "Statistical quality control. Methods of random sampling of piece products"; GOST 31214- 2016 "Medical devices. Requirements for samples and documentation submitted for toxicological and sanitary- chemical studies and tests for sterility and pyrogenicity"; clause 2.6 "MU for the sanitary- chemical study of
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Feeding teats, soothers and sanitary-hygienic products made of latex, rubber and silicone elastomers

3	Chemical safety requirements: - release of chemical substances hazardous to health:	MR No. 29 FTs/1683 dated 14.05.2001 "Supplement No. 1 to "Methodological Guidelines for the Sanitary-Hygienic Assessment of Rubber and Latex Products for Medical Use" (Appendix 1);
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	"Methodological Guidelines for the Sanitary-Hygienic Assessment of Rubber and Latex Products for Medical Use" dated 19.12.86 (applies until the relevant interstate standard is developed and included in this list); clause 3.2 "Methodological Guidelines for the Sanitary-Chemical Study of Children's Latex Teats and Soother Bulbs" dated 19.10.90 (applies until the relevant interstate standard is developed and included in this list); MU 4077-86 "Methodological Guidelines for the Sanitary-Hygienic Study of Rubbers and Rubber Products Intended for Contact with Food Products" dated 10.03.86 (applies until the relevant interstate standard is developed and included in this list)
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- lead, arsenic, zinc;	GOST 31870-2012 "Drinking water. Determination of element content by atomic spectrometry methods"; PND F 14.2.22-95 "Methodology for measuring the mass concentration of ions of iron, cadmium, lead, zinc and chromium in samples of natural and waste waters by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Methodology for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron, silver in drinking, natural and waste waters by atomic absorption spectrometry with flame atomization";
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- formaldehyde;	MUK 4.1.1265-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in samples of drinking water and water from surface and underground water supply sources"; MUK 4.1.753-99 "Ion-chromatographic determination of formaldehyde in water"; RD 52.24.492-2006 "Mass concentration of formaldehyde in waters. Measurement procedure using the photometric method with acetylacetone"; PND F 14.2:4.187-02 "Procedure for measuring the mass concentration of formaldehyde in samples of natural, drinking	
	"Fluorat-02";	

- phenol;	MUK 4.1.1263-03 "Measurement of the mass concentration of total and volatile phenols by the fluorimetric method in samples of drinking water and water from surface and underground water supply sources"; MUK 4.1.647-96 "Methodological guidelines for the gas-chromatographic determination of phenol in water"; MUK 4.1.752-99 "Gas-chromatographic determination of phenol in water"; MUK 4.1.737-99 "Chromatography-mass spectrometry determination of phenols in water";
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- methyl alcohol;	MR 01.024-07 "Gas-chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas-chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water	
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- butyl alcohol;	MU 4149-86 "Methodological guidelines for the exercise of state supervision over the production and use of polymeric materials of the polyolefin class intended for contact with food products"; MR 01.024-07 "Gas-chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition";
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- antioxidants (Agidol-2), antioxidants;	"Methodological guidelines for the sanitary-chemical study of children's latex teats and pacifier bulbs" dated 19.10.90; MVI.MN 5562-2016 "Determination of concentrations of Agidol- 2, Captax, Altax, Zimate, Ethyl Zimate, diphenylguanidine, Thiuram D and Thiuram E in aqueous extracts from materials. Measurement procedure using liquid chromatography" (certificate of attestation No. 951/2016 dated 20.04.2016)
- N-nitrosamine (extraction with methylene chloride);	"Methodological guidelines for the sanitary-chemical study of children's latex teats and pacifier bulbs" dated 19.10.90.

- N- nitrosat- able substances (extraction with artificial saliva);	"Methodological guidelines for the sanitary-chemical study of children's latex teats and pacifier bulbs" dated 19.10.90.
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- Zimate (zinc dimethyldithiocarbamate);	MU 4077-86 "Methodological guidelines for the sanitary and hygienic study of rubbers and rubber products intended for contact with food products" dated 10.03.86 (applies until the relevant interstate standard is developed and included in this list); MVI.MN 5562-2016 "Determination of concentrations of Agidol-2, Captax, Altax, Zimate, Ethyl Zimate, diphenylguanidine, Thiuram D and Thiuram E in aqueous extracts from materials. Measurement procedure using liquid chromatography" (certificate of attestation No. 951/2016 dated 20.04.2016)
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	"Methodological Guidelines for the Sanitary and Hygienic Assessment of Rubber and Latex Medical Devices" of 19.12.86 (applies until the relevant interstate standard is developed and included in this list)
- phthalic anhydride;	GOST 24445.1-80 "Technical phthalic anhydride. Method for determination of phthalic anhydride"; Instruction No. 880-71 "Instruction on the sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for contact with food products"

- vulcanization
accelerators: thiazole
class, thiuram class;

"Methodological
Guidelines for the
Sanitary and Hygienic
Assessment of Rubber
and Latex Medical
Devices" of 19.12.86
(applies until the relevant
interstate standard is
developed and included
in this list);

MVI.MN 5562-2016
"Determination of
concentrations of Agidol-
2, captax, altax, zimate,
ethyl zimate,
diphenylguanidine,
thiuram D and thiuram E
in aqueous extracts from
materials. Measurement
procedure by liquid
chromatography"
(certificate of attestation
No. 951/2016 of
20.04.2016)

- plasti- cizers: dibutyl phthalate, dioctyl phthalate;	MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various compositions"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0147.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16764); "Methodological
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- appearance
characteristics

clause 6.2 of GOST R
51068-97 "Children's
latex
teats. Specifications"

4	Mechanical safety requirements: - resistance to 5-fold disinfection by boiling;	clause 6.5 GOST R 51068-97 "Latex teats for children. Specifications"
- resistance to disinfection	clause 3.10 GOST 3251-98 "Rubberized-fabric bed sheeting. Specifications" clause 4.2.1 GOST 3302-95 "Rubber ice bags. Specifications" clause 4.2.1 GOST 3303-94 "Rubber hot-water bottles. Specifications"	

- absence of sticking	clause 6.4 GOST R 51068-97 "Latex teats for children. Specifications" clause 3.7 GOST 3251-98 "Rubberized-fabric bed sheeting. Specifications" clause 7.4 GOST 3302-95 "Rubber ice bags. Specifications"
- strength of the joint between the ring and the bulb - leak-tightness	clause 6.7 GOST R 51068-97 "Latex teats for children. Specifications" clause 7.2 GOST 3302-95 "Rubber ice bags. Specifications" clauses 4.1.3, 7.3, 7.4 GOST 3303-94 "Rubber hot-water bottles. Specifications"

Plastic tableware and cutlery

5	Sampling	clause 5.1 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" clause 5.1 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";
6	Climatic conditions for testing	GOST 12423-2013 (ISO 291:2008) "Plastics. Conditions for conditioning and testing of specimens (samples)"

7	Chemical safety requirements: - odour, taste, colour change of the aqueous extract;	clause 5.15 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications"; clause 5.15 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications"; Instruction No. 880-71 "Instruction on sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for contact with food products";
		2005 "Sanitary-

- resistance of the protective-decorative coating to wet treatment;	clause 5.6 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" clause 5.6 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";
- resistance to acid solution and soap-alkaline solutions;	clause 5.7 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" clause 5.7 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";
- release of chemical substances hazardous to health:	MUK 2.3.3.052-96 "Sanitary-chemical testing of articles made of polystyrene and styrene copolymers";

- zinc, tin, boron;	GOST 31870-2012 "Drinking water. Determination of elements by atomic spectrometry methods"; PND F 14.2.22-95 "Procedure for measuring the mass concentration of ions of iron, cadmium, lead, zinc and chromium in samples of natural and waste water by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron, silver in drinking, natural and waste water by atomic absorption spectrometry with flame atomization"; PND F 14.1:2:4.140-98 "Procedure for
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- vinyl acetate;	GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; MR 2915-82 "Methodological recommendations for the determination of vinyl acetate in water by gas-liquid chromatography"; MR 1870-78 "Methodological recommendations for the mercurimetric determination of small quantities of vinyl acetate in water, in water-alcohol solutions and food products"
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- vinyl chloride;	GOST 25737-91 (ISO 6401-85) "Plastics. Homopolymers and copolymers of vinyl chloride. Determination of residual vinyl chloride monomer. Gas chromatographic method"; MR 1941-78 "Methodological recommendations for the determination of vinyl chloride in PVC and polymer materials based on it, in model media simulating foodstuffs, and in food products"; MVI (measurement procedure) for the mass concentration of methyl chloride, vinyl chloride, vinylidene chloride, methylene chloride, chloroform, carbon tetrachloride, etc. in waste, natural surface and ground waters by the gas chromatographic method (certificate of attestation No. 17-05 of 01.03.2005, registry number FR.1.31.2005.01754)
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- benzene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16740); MUK 4.1.650-96 "Methodological guidelines for the
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- dibutyl-phthalate, dioctyl phthalate;	MUK 4.1.738-99 "Chromatography-mass-spectrometric determination of phthalates and organic acids in water"; MU 4077-86 "Methodological guidelines for sanitary-hygienic examination of rubbers and articles made thereof intended for contact with foodstuffs"; Instruction 4259-87 "Instruction for sanitary-chemical examination of articles made of polymeric and other synthetic materials intended for use in domestic and drinking water supply and water management"; MR 01.025-07 ""Gas chromatographic determination of dimethyl phthalate, dimethyl phthalate, bis (2-ethylhexyl) phthalate and dioctyl phthalate in
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- diethyl phthalate, dimethyl phthalate;	MUK 4.1.738-99 "Chromatography-mass-spectrometric determination of phthalates and organic acids in water"; MR 01.025-07 ""Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis (2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various compositions"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0147.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16764)
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- dimethyl terephthalate;	MUK 4.1.745-99 "Gas chromatographic determination of dimethyl ester of terephthalic acid in water"; Instruction No. 880-71 "Instruction for sanitary-chemical examination of articles made of polymeric and other synthetic materials intended for contact with food products"; MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various compositions"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in
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- formaldehyde;	MUK 4.1.1265-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in samples of drinking water and water from surface and underground water use sources"; RD 52.24.492-2006 "Mass concentration of formaldehyde in waters. Measurement procedure by the photometric method with acetylacetone"; MUK 4.1.753-99 "Ion chromatographic determination of formaldehyde in water"; PND F 14.2:4.187-02 "Procedure for performing measurements of the mass concentration of formaldehyde in samples of natural, drinking and waste waters on the liquid analyser "Fluorat-02";
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- phenol;	MUK 4.1.752-99 "Gas chromatographic determination of phenol in water"; MUK 4.1.647-96 "Methodological guidelines for the gas chromatographic determination of phenol in water"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical studies of articles made of polymeric and other synthetic materials in contact with food products"; Instruction 2.3.3.10-15-89-2005 "Sanitary-hygienic assessment of lacquered cans for preserved food"; MVI. MN 1924-2003 "Procedure for the gas chromatographic determination of phenol and epichlorohydrin in model media simulating food products";
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- acrylonitrile;	GOST 22648-77 "Plastics. Methods for the determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for the determination of residual monomers and non-polymerizable impurities"; MUK 4.1.658-96 "Methodological guidelines for the gas chromatographic determination of acrylonitrile in water"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of
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- acetaldehyde;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of validation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, register number FR.1.31.2013.16740); MVI. MN 2558-2006 "Procedure for performing measurements of
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- acetone;	MUK 4.1.649-96 "Guidelines for the chromatography-mass spectrometry determination of volatile organic substances in water"; MUK 4.1.650-96 "Guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol,
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- acetophenone;	"Guidelines for the sanitary and hygienic assessment of rubber and latex medical devices" dated 19.12.86; MU 4077-86 "Guidelines for the sanitary and hygienic testing of rubbers and articles made from them intended for contact with food products"; Instruction 4.1.10-15-92-2005 "Sanitary and chemical testing of rubbers and articles made from them intended for contact with food products".
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- benzaldehyde;	MUK 4.1.649-96 "Guidelines for the chromatography-mass spectrometry determination of volatile organic substances in water"
- butadiene;	MU 942-72 "Guidelines for determining the migration of organic solvents from polymeric materials into air, model solutions, and dry and liquid food products in contact with them" KZ.A.01.0602 "Procedure for measuring the migration level, expressed in units of mass concentration, of butadiene contained in articles made of polystyrene and styrene copolymers into aqueous and air media" (certificate of attestation No. 168 dated 22.10.2020; applies from 01.06.2022 until the relevant interstate standard is included in this list)

- butyl acrylate;	MUK 4.1.657-96 "Guidelines for the gas chromatographic determination of butyl acrylate and butyl methacrylate in water"; MUK 4.1.3171-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, methanol, ethanol, methyl acrylate, methyl methacrylate, ethyl acrylate, isobutyl acrylate, butyl acrylate, butyl methacrylate, toluene, styrene, a-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0160.19.03.13 dated 19.03.2013, register number FR.1.31.2013.16751)
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- butyl acetate;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740)
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- hexamethylenediamine;	MR 1503-76 "Methodological recommendations for the determination of hexamethylenediamine in water during sanitary-chemical studies of polymer materials used in the food and textile industries"; Instruction No. 880-71 "Instruction for the sanitary-chemical testing of articles made of polymer and other synthetic materials intended for contact with food products"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical studies of articles made of polymer and other synthetic materials in contact with food products"
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- hexane;	MUK 4.1.650-96 "Methodological guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MU 4149-86 "Methodological guidelines for the exercise of state supervision over the production and use of polymer materials of the polyolefin class intended for contact with food products"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-
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- heptane;	MU 4149-86 "Methodological guidelines for the exercise of state supervision over the production and use of polymer materials of the polyolefin class intended for contact with food products"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); Instruction 4.1.10-15-90-2005 "Exercise of state sanitary supervision over the
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- dichlorobenzene;	MUK 4.1.663-97 "Determination of the mass concentration of organic compounds in water by chromatography-mass spectrometry"; MU 942-72 "Methodological guidelines for determining the migration of organic solvents from polymer materials into air, model solutions, and dry and liquid food products in contact with them"
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- ε -caprolactam;	Instruction No. 4259-87 "Instruction for the sanitary-chemical testing of articles made of polymer and other synthetic materials intended for use in domestic and drinking water supply and water management"; NDP 30.2:3.2-95 (NDP 30.2:3.2-04) "Procedure for measuring ε-caprolactam in natural and waste waters"; MUK 4.1.1209-03 " Gas chromatographic determination of ε-caprolactam in water"; Instruction 4.1.10-14-101-2005, chapter 5. "Methods for testing polymer materials for hygienic assessment"; GOST 30351-2001 "Polyamides, fibres, fabrics, polyamide films. Determination of the mass fraction of residual caprolactam and low-molecular-weight compounds and their migration concentration into water. Liquid and gas-liquid chromatography methods"
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- xylenes (mixture of isomers);	MUK 4.1.650-96 "Methodological guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, ortho-chlorotoluene and naphthalene in water"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p- and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous extracts from polystyrene plastics"; MUK 4.1.649-96 "Methodological guidelines for chromatography-mass spectrometric determination of volatile organic substances in water";
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- cumene (isopropyl- benzene;	MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, ortho-chlorotoluene and naphthalene in water"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p- and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous extracts from polystyrene plastics"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl
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- methyl acrylate, methyl methacrylate;	MUK 2.3.3.052-96 "Sanitary-chemical studies of articles made of polystyrene and styrene copolymers"; MUK 4.1.656-96 "Methodological guidelines for gas chromatographic determination of methyl acrylate and methyl methacrylate in water"; MUK 4.1.025-95 "Methods for measuring the mass concentration of methacrylic compounds in environmental objects"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizable impurities"; MUK 4.1.3171-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, methanol, ethanol, methyl acrylate, methyl methacrylate, ethyl acrylate, isobutyl acrylate, butyl acrylate, butyl methacrylate, toluene, styrene, a-methylstyrene in water and aqueous extracts from materials of various compositions" (attestation certificate No. 01.00282-2008/0160.19.03.13 dated 19.03.2013, register number FR.1.31.2013.16751)
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- methyl acetate;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various compositions" (attestation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); MUK 4.1.3171-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, methanol, ethanol, methyl acrylate, methyl methacrylate, ethyl acrylate, isobutyl acrylate, butyl acrylate, butyl methacrylate, toluene, styrene, a-methylstyrene in water and aqueous extracts from materials of various compositions" (attestation certificate No. 01.00282-2008/0160.19.03.13 dated 19.03.2013, register number FR.1.31.2013.16751)
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- methylene chloride;	MUK 4.1.646-96 "Methodological guidelines for gas chromatographic determination of halogen-containing substances in water"; MUK 4.1.649-96 "Methodological guidelines for chromatography-mass spectrometric determination of volatile organic substances in water";
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- α- -methylstyrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for the determination of residual monomers and non-polymerizing impurities"; MU 4628-88 "Methodological guidelines for the gas chromatographic determination of residual monomers and non-polymerizing impurities released from polystyrene plastics into water, model media and food products"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p- and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous extracts from polystyrene plastics"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from
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- butyl alcohol, isobutyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, registry number FR.1.31.2013.16740); MUK 4.1.654-96 "Methodological guidelines for the gas chromatographic determination of butanal, butanol, isobutanol, 2-ethylhexanal, 2-ethylhexenal and 2-ethylhexanol in water"; Instruction 4.1.10-15-90-2005 "Implementation of state sanitary supervision of the production and use of polymeric
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- methyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, registry number FR.1.31.2013.16740); Instruction 4.1.10-15-90-2005 "Implementation of state supervision of the production and use of polymeric materials of the polyolefin class intended for contact with food products"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical studies of articles made of polymeric and other synthetic materials in contact with food products"; MUK 4.1.650-96 "Methodological guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and
	MUK 4.1.3171-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl

- propyl alcohol, isopropyl alcohol, ethyl acetate;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, registry number FR.1.31.2013.16740); MU 4149-86 "Methodological guidelines for the implementation of state supervision of the production and use of polymeric materials of the polyolefin class intended for contact with food products"
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- styrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for the determination of residual monomers and non-polymerizable impurities"; GOST 22648-77 "Plastics. Methods for the determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for the determination of residual monomers and non-polymerizable impurities"; MUK 2.3.3.052-96 "Sanitary and chemical testing of articles made of polystyrene and styrene copolymers"; MUK 4.1.739-99 "Chromatography-mass spectrometric determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; MUK 4.1.649-96 "Methodological guidelines for the chromatography-mass spectrometric determination of volatile organic substances in water"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p-, and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous extracts from polystyrene plastics"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene,
	naphthalene in water";



- toluene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); MUK 4.1.650-96 "Guidelines for gas chromatographic
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- chlorobenzene;	MUK 4.1.739-99 "Chromatography-mass spectrometric determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, orthochlorotoluene and naphthalene in water"; Instruction 4.1.10-15-90-2005 "Implementation of state sanitary supervision over the production and use of polymer materials of the polyolefin class intended for contact with food products"; Instruction 4.1.11-11-13-2004 "Procedure for measuring concentrations of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water by chromatography-mass spectrometry" MVI.MN 6309-2020 "Mass concentration of chlorobenzene released from polycarbonate products into aqueous and air media. Measurement procedure by gas chromatography" (certificate of attestation No. BY 00120 dated 29.10.2020: applied from
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- ethylbenzene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for the determination of residual monomers and non-polymerizing impurities"; GOST 22648-77 "Plastics. Methods for the determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for the determination of residual monomers and non-polymerizing impurities"; MUK 4.1.649-96 "Guidelines for chromatography-mass spectrometric determination of volatile organic substances in water"; MUK 4.1.650-96 "Guidelines for gas chromatographic determination of
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- ethylene-glycol;	Instruction No. 880-71 "Instruction on sanitary-chemical testing of articles manufactured from polymer and other synthetic materials intended for contact with food products"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical testing of articles manufactured from polymer and other synthetic materials in contact with food products"
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7	- epichlorohydrin	Instruction No. 4259-87 "Instruction on sanitary-chemical testing of articles manufactured from polymer and other synthetic materials intended for use in domestic and drinking water supply and water management"; MU 4398-87 "Methodological guidelines for the hygienic assessment of lacquered cans for preserved food"; Instruction 2.3.3.10-15-64-
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8	Mechanical safety requirements: - retention of appearance and colour, absence of deformation and cracks when exposed to water at a temperature of 65 to 75°C;	cl. 5.5 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" cl. 5.5 "ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";
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- absence of deformation, cracks, chips, breakage after 5-fold dropping	cl. 5.27 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" cl. 5.27 "ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";
- absence of sharp (cutting, piercing) edges, rims, or of a sprue protruding above the supporting surface;	cl. 5.2 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" cl. 5.2 "ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";

- leak-tightness	cl. 5.26 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" cl. 5.26 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";
Tableware and cutlery made of glass, glass ceramics, ceramics	

9	Sampling	cl. 7.3, 7.4, 7.6 GOST 30407-96 (ISO 7086-1-82, ISO 7086-2-82) "Tableware and decorative articles made of glass. General specifications" GOST 18321-73 "Statistical quality control. Methods of random sampling of piece products"
10	Mechanical safety requirements: - thermal resistance;	GOST 32091-2013 "Ceramic tableware. Method for determination of thermal shock resistance" cl. 8.6 GOST 30407-96 (ISO 7086-1-82, ISO 7086-2-82) "Tableware and decorative articles made of glass. General specifications"

- strength of handle attachment	cl. 8.9 GOST 30407-96 (ISO 7086-1-82, ISO 7086-2-82) "Tableware and decorative articles made of glass. General specifications" cl. 3.4 GOST 28391-89 "Faience articles. Specifications" cl. 6.6 GOST 32094-2013 "Majolica tableware. Specifications" cl. 6.6 GOST 32092-2013 "Pottery tableware. Specifications"
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-absence of chips; cut-through edges; adhering pieces of glass; cutting or crumbling particles of through-going checks; foreign inclusions surrounded by cracks and checks	cl. 8.1 GOST 30407-96 (ISO 7086-1-82, ISO 7086-2-82) "Tableware and decorative articles made of glass. General specifications"
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11	Chemical safety requirements: - acid resistance	cl. 8.8 GOST 30407-96 (ISO 7086-1-82, ISO 7086-2-82) "Tableware and decorative articles made of glass. General specifications" GOST R 53547-2009 "Ceramic tableware. Method for determination of acid resistance"
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- release of chemical substances harmful to health:	Instruction No. 880-71 "Instruction on sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for contact with food products"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical testing of articles made of polymeric and other synthetic materials in contact with food products"
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- aluminium, zinc, cadmium, copper, titanium, cobalt, arsenic, lead, chromium, barium, manganese, boron;	GOST 31870-2012 "Drinking water. Determination of element content by atomic spectrometry methods"; PND F 14.2.22-95 "Procedure for measuring the mass concentration of ions of iron, cadmium, lead, zinc and chromium in natural water and wastewater samples by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron, silver in drinking water, natural water and wastewater by atomic absorption spectrometry with flame atomization"; PND F 14.1:2:4.140-98 "Procedure for measuring beryllium, vanadium bismuth, cadmium, cobalt, copper,
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	Metal tableware and cutlery, metal sanitary and hygiene articles	
12	Sampling	GOST 18321-73 "Statistical quality control. Methods of random sampling of piece products"
13	Chemical safety requirements: - release of chemical substances hazardous to health:	GOST 24295-80 "Household enamelled steel utensils. Methods of analysis of extracts";

	- iron, nickel, chromium, aluminium, lead, zinc, copper, titanium, cobalt, manganese, arsenic, boron;	GOST 31870-2012 "Drinking water. Determination of elements by atomic spectrometry methods"; PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron, silver in drinking, natural and waste waters by atomic absorption spectrometry with flame atomization"; PND F 14.1:2:4.140-98 "Procedure for measuring beryllium, vanadium bismuth, cadmium, cobalt, copper, molybdenum, arsenic, nickel, tin, lead, selenium, silver, antimony and chromium in drinking, natural and waste waters by atomic absorption spectrometry with electrometric atomization"; PND F 14.1:2:4.143-98 "Procedure for measuring aluminium, barium, boron, iron, cobalt, manganese, copper, nickel, strontium, titanium, chromium and zinc in drinking, natural and waste waters by ICP spectrometry"; MUK 4.1.742-99 "Stripping voltammetric measurement of the concentration of zinc, cadmium, lead and copper ions in water"; MUK 4.1.1256-03 "Measurement of the mass concentration of zinc by the fluorimetric method in samples of drinking water and water from surface and underground water sources"; MUK 4.1.1255-03 "Measurement of the mass concentration of aluminium by the fluorimetric method in samples of drinking water and water from surface and underground water sources"; MUK 4.1.1258-03 "Measurement of the mass concentration of copper by the fluorimetric method in samples of drinking water and water from surface and underground water sources"; MUK 4.1.1259-03 "Measurement of the mass concentration of iron by the fluorimetric method in samples of drinking water and water from surface and underground water sources";
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- fluoride ion (total)	GOST 4386-89 "Drinking water. Methods for determination of fluoride mass concentration"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; MU 3034-84 "Guidelines for the hygienic assessment of organosilicon and organofluorine Coatings intended for use in the food industry at a temperature of 100 0C; MU 1959-78 "Guidelines for the sanitary-chemical testing of articles made of fluoroplast 4 and 4D in the food industry";
- corrosion resistance of metal sanitary and hygiene articles	GOST R 9.316-2006 "Unified system of corrosion and ageing protection. Thermal diffusion zinc Coatings. General requirements and control methods"; GOST 9.308-85 "Unified system of corrosion and ageing protection. Metallic and non-metallic inorganic Coatings. Accelerated corrosion test methods"; clauses 7.8, 7.9 GOST 24788-2001 "Enamelled steel household utensils. General specifications"; Instruction 1.1.10-12-41-2006 "Hygienic assessment of medical devices, medical equipment and materials used for their manufacture"

14	Mechanical safety requirements: - strength of attachment of handles, fittings in sanitary and hygiene articles	clause 7.18 GOST 24788-2001 "Enamelled steel household utensils. General specifications" clause 6.4 GOST R 51268-99 "Scissors. General specifications"; clause 6.4 STB 813-93 "Scissors. General specifications"
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Paper and cardboard tableware (single-use)

15	Sampling	cl.5.1 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" cl. 5.1 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications"; GOST 18321-73 "Statistical quality control. Methods of random sampling of piece products";
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Chemical safety requirements: - odour, taste, colour change of the aqueous extract;	Instruction No. 880-71 "Instruction on sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for contact with food products";
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- release of chemical substances hazardous to health: - lead, arsenic, zinc, chromium;	GOST 31870-2012 "Drinking water. Determination of elements by atomic spectrometry methods"; PND F 14.2.22-95 "Procedure for measuring the mass concentration of ions of iron, cadmium, lead, zinc and chromium in natural and waste water samples by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron and silver in drinking, natural and waste waters by atomic absorption spectrometry with flame atomization"; PND F 14.1:2:4.140-98 "Procedure for measuring beryllium, vanadium bismuth,
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- acetaldehyde;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); MVI. MN 2558-2006 "Procedure for measuring concentrations of
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- acetone;	MUK 4.1.649-96 "Guidelines for chromatography-mass spectrometry determination of volatile organic substances in water"; MUK 4.1.650-96 "Guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol,
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- benzene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); MUK 4.1.650-96 "Methodological guidelines for
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- butyl acetate;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740)
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- xylenes (mixture of isomers);	MUK 4.1.650-96 "Methodological guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p- xylene, hexane, octane and decane in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o- xylene, styrene, isopropylbenzene, orthochlorotoluene and naphthalene in water"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p- and isopropylbenzene, n- propylbenzene,
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- butyl alcohol, isobutyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); MUK 4.1.654-96 "Methodological guidelines for
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-methyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, register number FR.1.31.2013.16740); Instruction 4.1.10-15-90-2005 "Exercising state supervision over
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- isopropyl alcohol; ethyl acetate;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, register number FR.1.31.2013.16740) MU 4149-86 "Methodological guidelines for
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- toluene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, register number FR.1.31.2013.16740); MUK 4.1.650-96 "Methodological guidelines for the gas
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- formaldehyde;	MUK 4.1.1265-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in samples of drinking water and water from surface and underground water-use sources"; RD 52.24.492-2006 "Mass concentration of formaldehyde in waters. Measurement procedure by the photometric method with acetylacetone"; MUK 4.1.753-99 "Ion-chromatographic determination of formaldehyde in water"; PND F 14.2:4.187-02 "Procedure for measuring the mass concentration of formaldehyde in samples of natural, drinking and waste waters using the liquid analyser "Fluorat-02"; Coll. "Guidelines for the
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Sanitary-hygienic and haberdashery articles made of plastic

16	Sampling	cl. 5.1 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" cl. 5.1 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications"; STB 1015-97 "Articles for cultural, domestic and household purposes made of plastic materials. General specifications"
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17	Requirements for mechanical safety: - strength of attachment of handles, deformation of sanitary- hygienic articles	cII. 5.11, 5.28 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" cII. 5.11, 5.28 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications"; STB 1015-97 "Articles for cultural, domestic and household purposes made of plastic materials. General specifications"
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- absence of sharp (cutting, piercing) edges;	cl. 5.2 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" cl. 5.2 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";
- retention of appearance and colour, absence of deformation and cracks when exposed to water at a temperature of 65 to 75°C	cl. 5.5 GOST R 50962-96 "Tableware and household articles made of plastics. General specifications" "cl. 5.5 ST RK GOST R 50962-2008 "Tableware and household articles made of plastics. General specifications";

18	Requirements for chemical safety: - release of chemical substances harmful to health:	Instruction No. 880-71 "Instruction for the sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for contact with food products";
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- zinc;	GOST 31870-2012 "Drinking water. Determination of elements by atomic spectrometry methods"; PND F 14.2.22-95 "Procedure for measuring the mass concentration of ions of iron, cadmium, lead, zinc and chromium in samples of natural and waste waters by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron, silver in drinking, natural and waste waters by atomic absorption spectrometry with flame atomization"; MUK 4.1.1256-03 "Measurement of the mass concentration of zinc by the fluorimetric method in samples of drinking water and water from surface and underground water sources used for water utilization"; MVI.MN 1792-2002 "Procedure for measuring concentrations of elements in liquid
	STB GOST R 51309-2001 "Drinking water. Determination of elements by atomic

- acrylonitrile;	GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 30713-2000 "Polyacrylonitrile fibre. Determination of the migration concentration of acrylic acid nitrile into air. Gas chromatography method"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; MUK 4.1.658-96 "Methodological guidelines for the gas chromatographic determination of acrylonitrile in water"; MUK 2.3.3.052-96 "Sanitary-chemical testing of articles made of polystyrene and styrene copolymers"; MUK 4.1.1206-03 "Gas chromatographic determination of acrylonitrile, acetonitrile, dimethylformamide, diethylamine and triethylamine, in water"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate,
	isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various

- acetaldehyde;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of validation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, register number FR.1.31.2013.16740); MVI. MN 2558-2006 "Procedure for measuring concentrations of acetone and acetaldehyde in extracts of model media simulating foodstuffs, by gas chromatography"; MUK 4.1.1045-01 "HPLC determination of formaldehyde and saturated aldehydes
	MUK 4.1.1957-05 "Gas chromatographic

- acetone;	MUK 4.1.649-96 "Methodological guidelines for chromatography-mass spectrometric determination of volatile organic substances in water"; MUK 4.1.650-96 "Methodological guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water" MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic
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- benzene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); MUK 4.1.650-96 "Methodological guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water" MUK 4.1.739-99 "Chromatography-mass spectrometric
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- vinyl acetate;	GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; MR 2915-82 "Methodological recommendations for the determination of vinyl acetate in water by gas-liquid chromatography"; MR 1870-78 "Methodological recommendations for mercurimetric determination of small quantities of vinyl acetate in water, in water-alcohol solutions and food products"
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- vinyl chloride;	GOST 25737-91 (ISO 6401-85) "Plastics. Vinyl chloride homopolymers and copolymers. Determination of residual vinyl chloride monomer. Gas chromatographic method"; MR 1941-78 "Methodological recommendations for the determination of vinyl chloride in PVC and polymer materials based on it, in model media simulating food products, and in foodstuffs"; GOST 26150-84 "Polyvinyl chloride-based polymeric finishing materials and products for construction. Sanitary-chemical evaluation method"; MUK 4.1.607-06 "Methodological guidelines for the determination of vinyl chloride in ambient air by gas-liquid chromatography"; MUK 4.1.1957-05 "Gas chromatographic determination of vinyl chloride and acetaldehyde in air"; Measurement procedure (MVI) for the mass concentration of methyl chloride, vinyl chloride, vinylidene chloride, methylene chloride, chloroform, carbon tetrachloride, etc. in waste water, natural surface water and groundwater by the gas chromatographic method (attestation certificate No. 17-05 dated 01.03.2005, register number ФР.1.31.2005.01754)
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- hexa-methylenediamine;	MR 1503-76 "Methodological recommendations for the determination of hexamethylenediamine in water during sanitary-chemical studies of polymer materials used in the food and textile industries"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical studies of articles made of polymer and other synthetic materials in contact with food products"; Instruction No. 880-71 "Instruction for sanitary-chemical testing of articles made of polymer and other synthetic materials intended for contact with food products"
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-dibutyl phthalate,
dioctyl phthalate;

MUK 4.1.738-99 "Chromatography-mass spectrometric determination of phthalates and organic acids in water";

MU 4077-86 "Methodological guidelines for sanitary-hygienic testing of rubbers and articles made from them intended for contact with food products";

Instruction 4259-87 "Instruction for sanitary-chemical testing of articles made of polymer and other synthetic materials intended for use in domestic and drinking water supply and water management";

MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition";

MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0147.16.01.13 dated 16.01.2013, register number ФП.1.31.2013.16764);

GOST 26150-84 "Polyvinyl chloride-based polymeric finishing materials and products for construction. Sanitary-chemical evaluation

- diethyl phthalate	MUK 4.1.738-99 "Chromatography-mass spectrometric determination of phthalates and organic acids in water"; MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0147.16.01.13 dated 16.01.2013, register number ФП.1.31.2013.16764); MUK 4.1.614-96 "Methodological guidelines for the determination of diethyl phthalate in ambient air by high-performance liquid chromatography"; MUK 4.1.3168-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in ambient air, test chamber air and enclosed premises" (attestation certificate No. 01.00282-2008/0146.14.12.12 dated 14.12.2012, register number ФП.1.31.2013.16763)
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- dimethyl phthalate	MUK 4.1.738-99 "Chromatography-mass spectrometric determination of phthalates and organic acids in water"; MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0147.16.01.13 dated 16.01.2013, register number ΦP.1.31.2013.16764); MUK 4.1.611-96 "Methodological guidelines for gas chromatographic determination of dimethyl phthalate in ambient air"; MUK 4.1.3168-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in ambient air, test chamber air and enclosed premises" (attestation certificate No. 01.00282-2008/0146.14.12.12 dated 14.12.2012, register number ΦP.1.31.2013.16763)
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-dimethyl terephthalate;	MUK 4.1.745-99 "Gas chromatographic determination of terephthalic acid dimethyl ester in water"; Instruction No. 880-71 "Instruction for the sanitary-chemical testing of products made of polymer and other synthetic materials intended for contact with food products"; MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (validation certificate No. 01.00282-2008/0147.16.01.13 of 16.01.2013, register number FR.1.31.2013.16764); Instruction 4.1.11-11-19-2004 "MVI of the concentration of terephthalic acid dimethyl ester in water by gas chromatography"; MVI. MN 2367-2005 "Procedure for measuring concentrations of terephthalic acid dimethyl ester in model media simulating food products by gas chromatography"; MUK 4.1.3168-14 "Gas chromatographic
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- ε-caprolactam;	Instruction No. 4259-87 "Instruction for the sanitary-chemical testing of products made of polymer and other synthetic materials intended for use in domestic and drinking water supply and water management"; NDP 30.2:3.2-95 (NDP 30.2:3.2-04) "Procedure for measuring ε-caprolactam in natural waters and wastewaters"; MUK 4.1.1209-03 "Gas chromatographic determination of ε-caprolactam in water"; Instruction 4.1.10-14-101-2005, Chapter 5. "Methods for testing polymer materials for hygienic assessment"; GOST 30351-2001 "Polyamides, polyamide fibres, fabrics, films. Determination of the mass fraction of residual caprolactam and low-molecular-weight compounds and their migration concentration into water. Liquid and gas-liquid chromatography methods"
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-xylenes (mixture of isomers);	MUK 4.1.649-96 "Guidelines for the chromatography-mass spectrometric determination of volatile organic substances in water"; MUK 4.1.650-96 "Guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, ortho-chlorotoluene and naphthalene in water"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p-, and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous extracts from polystyrene plastics";
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for measuring the concentrations of acetone,

-methyl
methacrylate;

MUK 2.3.3.052-96 "Sanitary-chemical studies of products made of polystyrene and styrene copolymers";

MUK 4.1.656-96 "Guidelines for the gas chromatographic determination of methyl acrylate and methyl methacrylate in water";

MUK 4.1.025-95 "Methods for measuring the mass concentration of methacrylic compounds in environmental objects";

MUK 4.1.618-96 "Guidelines for the chromatography-mass spectrometric determination of volatile organic substances in atmospheric air"

GOST 22648-77 "Plastics. Methods for the determination of hygienic indicators";

GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for the determination of residual monomers and non-polymerizing impurities";

MUK 4.1.3171-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, methanol, ethanol, methyl acrylate, methyl methacrylate, ethyl acrylate, isobutyl acrylate, butyl acrylate, butyl methacrylate, toluene, styrene,

-methylene chloride;	MUK 4.1.646-96 "Guidelines for the gas chromatographic determination of halogen-containing substances in water"; MUK 4.1.649-96 "Guidelines for the chromatography-mass spectrometric determination of volatile organic substances in water"
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- α- - methylstyrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; MUK 4.1.618-96 "Guidelines for chromatography-mass spectrometry determination of volatile organic substances in atmospheric air"; MU 4628-88 "Guidelines for gas chromatographic determination of residual monomers and non-polymerizing impurities released from polystyrene plastics into water, model media and food products"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p-, and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous extracts from polystyrene plastics"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl
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-methyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16740); MUK 4.1.650-96 "Guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MUK 4.1.598-96 "Guidelines for gas chromatographic determination of aromatic, sulfur-containing,
	acetone and acetonitrile in atmospheric air";

-propyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various compositions" (validation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); MR 01.022-07 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, ethanol, n-propyl acetate, n-propanol, isobutyl acetate, butyl acetate, isobutanol, n-butanol released into the air from materials of various compositions"; MUK 4.1.3170-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, ethanol, n-propyl acetate, n-propanol, isobutyl acetate, butyl acetate, isobutanol, n-butanol in atmospheric air, test chamber air and the air of enclosed premises" (validation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16741);
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-isopropyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various compositions" (validation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740); MU 4149-86 "Methodological guidelines for exercising state supervision of the production and use of polymer materials of the polyolefin class intended for contact with food products"; MR 01.022-07 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, ethanol, n-propyl acetate, n-
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- styrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizable impurities"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizable impurities"; MUK 2.3.3.052-96 "Sanitary-chemical studies of articles made of polystyrene and styrene copolymers"; MUK 4.1.739-99 "Chromatography-mass spectrometric determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, orthochlorotoluene
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- toluene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, register number FR.1.31.2013.16740); MUK 4.1.650-96 "Methodological guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MUK 4.1.739-99 "Chromatography-mass spectrometric determination of benzene, toluene, chlorobenzene,
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- phenol;	MUK 4.1.1263-03 "Measurement of the mass concentration of total and volatile phenols by the fluorimetric method in samples of drinking water and water from surface and underground water supply sources" MUK 4.1.752-99 "Gas chromatographic determination of phenol in water"; MUK 4.1.647-96 "Guidelines for the gas chromatographic determination of phenol in water"; MUK 4.1.737-99 "Chromatography-mass spectrometry determination of phenols in water"; PND F 14.1:2:4.117-97
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- formaldehyde;	GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizable impurities"; MUK 4.1.1265-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in samples of drinking water and water from surface and underground water supply sources"; MUK 4.1.078-96 "Guidelines for measuring the mass concentration of formaldehyde by the
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- chlorobenzene;

MUK 4.1.739-99
 "Chromatography-mass spectrometry determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, orthochlorotoluene and naphthalene in water"; MUK 4.1.598-96
 "Guidelines for the gas chromatographic determination of aromatic, sulphur-containing, halogen-containing substances, methanol, acetone and acetonitrile in ambient air"; MUK 4.1.618-96
 "Guidelines for the chromatography-mass spectrometry

- ethyl acetate;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water
	composition" (certificate of attestation No.

- ethylene glycol;	Instruction No. 880-71 "Instruction for the sanitary-chemical examination of articles made of polymer and other synthetic materials intended for contact with food products"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical examinations of articles made of polymer and other synthetic materials in contact with food products"
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- epichlorohydrin;	MUK 2715-83 "Methodological guidelines for the gas chroma- tographic determination of ethylchlorohydrin (EChH) in air"; Instruction No. 4259-87 "Instruction for the sanitary- chemical examination of articles made of polymer and other synthetic materials intended for use in domestic and drinking- water supply and water management"; MU 4398-87 "Methodological guidelines for the hygienic assessment of lacquered food cans"; Instruction 2.3.3.10-15- 64-2005 "Sanitary- chemical
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-colourfastness
of the dye to
rubbing

cl. 5.6 GOST R 50962-96
"Plastic tableware and
household

articles. General
specifications"

cl. 5.6 ST RK GOST R
50962-2008 "Plastic
tableware and household
articles. General
specifications";

**Toothbrushes, gum massagers and similar articles
intended for oral care**

19	Sampling	GOST 18321-73 "Statistical quality control. Methods of random sampling of piece products" GOST 26668-85 "Food and flavour products. Methods of sampling for microbiological analyses"
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20	Micro- biological safety requirements	GOST R ISO 7218-2008 "Microbiology. General guidance for microbiological examinations"; ISO 4833:2003 "Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of microorganisms. Colony-count technique at 30^o C"; ISO 4831:2006 "Microbiology of food and animal feeding stuffs. Horizontal method for the detection and enumeration of coliform bacteria"; ISO 4832:2006
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21	Requirements for chemical safety: - release of health-hazardous chemical substances: - tin, chromium, zinc;	GOST 31870-2012 "Drinking water. Determination of element content by atomic spectrometry methods"; PND F 14.2.22-95 "Procedure for measuring the mass concentration of iron, cadmium, lead, zinc and chromium ions in samples of natural and waste waters by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese,
		drinking, natural and waste waters

- acrylonitrile;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; MUK 4.1.658-96 "Methodological guidelines for gas chromatographic determination of acrylonitrile in water"; MUK 2.3.3.052-96 "Sanitary-chemical studies
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- acetaldehyde;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water
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- acetone;	MUK 4.1.649-96 "Methodological guidelines for chromatography-mass spectrometric determination of volatile organic substances in water"; MUK 4.1.650-96 "Methodological guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol,
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- benzene;	MUK 4.1.649-96 "Methodological guidelines for chromatography-mass spectrometric determination of volatile organic substances in water"; MUK 4.1.650-96 "Methodological guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; Instruction 4.1.11-11-13- 2004 "Procedure for measuring concentrations of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water by the method of
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- vinyl acetate;	GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for the determination of residual monomers and non-polymerizing impurities"; MR 2915-82 "Methodological recommendations for the determination of vinyl acetate in water by the method of gas-liquid chromatography"; MR 1870-78 "Methodological recommendations for the mercurimetric determination of small amounts of vinyl acetate in water, in water-alcohol solutions and foodstuffs"
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- vinyl chloride;

GOST 25737-91 (ISO 6401-85) "Plastics. Homopolymers and copolymers of vinyl chloride. Determination of residual vinyl chloride monomer. Gas chromatographic method";

MR 1941-78
"Methodological recommendations for the determination of vinyl chloride in PVC and polymer materials based on it, in model media simulating foodstuffs, and in food products";

MVI (measurement procedure) for the mass concentration of methyl chloride, vinyl chloride, vinylidene chloride, methylene chloride, chloroform, carbon tetrachloride, etc. in waste, natural surface and ground waters by the gas chromatographic method (certificate of attestation No. 17-05 dated 01.03.2005, register number

- hexamethylenediamine;	MR 1503-76 "Methodological recommendations for the determination of hexamethylenediamine in water during sanitary-chemical studies of polymer materials used in the food and textile industries"; Instruction No. 880-71 "Instruction on the sanitary- chemical investigation of articles made of polymer and other synthetic materials intended for contact with foodstuffs"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical studies of articles made of polymer and other synthetic materials in contact with
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- dibutyl phthalate, dioctyl phthalate;	MUK 4.1.738-99 "Chromatography-mass spectrometry determination of phthalates and organic acids in water"; MU 4077-86 "Methodological guidelines for sanitary-hygienic testing of rubbers and articles made from them intended for contact with food products"; Instruction 4259-87 "Instruction for sanitary-chemical testing of articles made from polymeric and other synthetic materials intended for use in domestic and drinking water supply and water management"; MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0147.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16764);
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- diethyl phthalate, dimethyl phthalate;	MUK 4.1.738-99 "Chromatography-mass spectrometry determination of phthalates and organic acids in water"; MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0147.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16764)
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- dimethyl terephthalate;	MUK 4.1.745-99 "Gas chromatographic determination of terephthalic acid dimethyl ester in water"; Instruction No. 880-71 "Instruction for sanitary-chemical testing of articles made from polymeric and other synthetic materials intended for contact with food products"; MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0147.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16764); Instruction 4.1.11-11-19-2004 "Procedure for measuring the concentration of terephthalic acid dimethyl ester in water by gas chromatography"; MVI. MN 2367-2005 "Method for measuring concentrations of terephthalic acid dimethyl ester in
	by gas chromatography"



- ε-caprolactam;	Instruction No. 4259-87 "Instruction for sanitary-chemical testing of articles made from polymeric and other synthetic materials intended for use in domestic and drinking water supply and water management"; NDP 30.2:3.2-95 (NDP 30.2:3.2-04) "Method for measuring e-caprolactam in natural and waste waters"; MUK 4.1.1209-03 " Gas chromatographic determination of ε-caprolactam in water"; Instruction 4.1.10-14-101-2005, chapter 5. "Methods for testing polymeric materials for hygienic assessment"; GOST 30351-2001 "Polyamides, fibres, fabrics, polyamide films. Determination of the mass fraction of residual caprolactam and low-molecular-weight compounds and their migration concentration into water. Methods of liquid and gas-liquid chromatography"
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- xylenes (mixture of isomers);	MUK 4.1.649-96 "Methodological guidelines for chromatography-mass spectrometry determination of volatile organic substances in water"; MUK 4.1.650-96 "Methodological guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, ortho-chlorotoluene and naphthalene in water"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p-, and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous
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- methyl methacrylate;	MUK 2.3.3.052-96 "Sanitary-chemical studies of products made of polystyrene and styrene copolymers"; MUK 4.1.656-96 "Methodological guidelines for the gas chromatographic determination of methyl acrylate and methyl methacrylate in water"; MUK 4.1.025-95 "Methods for measuring the mass concentration of methacrylic compounds in environmental objects" GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; MUK 4.1.3171-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, methanol, ethanol, methyl acrylate, methyl methacrylate, ethyl acrylate, isobutyl acrylate, butyl acrylate, butyl methacrylate, toluene, styrene, a-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0160.19.03.13 dated 19.03.2013, registry number FR.1.31.2013.16751)
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- methylene chloride;	MUK 4.1.646-96 "Methodological guidelines for the gas chromatographic determination of halogen-containing substances in water"; MUK 4.1.649-96 "Methodological guidelines for the chromatography-mass spectrometry determination of volatile organic substances in water"
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- α- - methylstyrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; MU 4628-88 "Methodological guidelines for the gas chromatographic determination of residual monomers and non-polymerizing impurities released from polystyrene plastics into water, model media and food products"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p-, and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous extracts from polystyrene plastics"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol,
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- methyl alcohol;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, registry number FR.1.31.2013.16740);

MUK 4.1.650-96 "Methodological guidelines for the gas chromatographic determination of acetone, methanol,

benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water";

Instruction 4.1.10-15-90-2005 "Implementation of state supervision of the production and use of polymer materials of the polyolefin class intended for contact with food products":

- butyl alcohol,
isobutyl
alcohol;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, registry number FR.1.31.2013.16740);

MU 4149-86 "Methodological guidelines for the implementation of

state supervision of the production and

use of polymer materials of the polyolefin class

intended for contact with food products";

MUK 4.1.654-96 "Methodological guidelines for the gas chromatographic determination of butanal, butanol, isobutanol, 2-ethylhexanal,

2-ethylhexenal and 2-ethylhexanol in water":

- isopropyl alcohol;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740);

MU 4149-86 "Guidelines for the exercise of state supervision over the production and use of polymer materials of the polyolefin class intended for contact with food products";

Instruction 4.1.10-15-90-2005 "Exercise of state sanitary supervision over the production and use of polymer materials of the polyolefin class intended for contact with food

- styrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; MUK 2.3.3.052-96 "Sanitary-chemical studies of articles made of polystyrene and styrene copolymers"; MUK 4.1.739-99 "Chromatography-mass spectrometric determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; Instruction 4.1.10-14-101-2005 "Methods for testing polymer materials for hygienic assessment"; MVI. MN 1401-2000 "Procedure for measuring concentrations of styrene in aqueous and aqueous-alcoholic media simulating alcoholic beverages by gas chromatography"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, ethylbenzene, m,p-xylenes, o-xylene,
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- toluene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16740); MUK 4.1.650-96 "Methodological guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene,
	styrene, isopropylbenzene, ortho-chlorotoluene and naphthalene

- phenol;	MUK 4.1.752-99 "Gas chromatographic determination of phenol in water"; MUK 4.1.647-96 "Methodological guidelines for the gas chromatographic determination of phenol in water"; MUK 4.1.737-99 "Chromatography-mass spectrometric determination of phenols in water"; MUK 4.1.1263-03 "Measurement of the mass concentration of total and volatile phenols by the fluorimetric method in samples of drinking water and water from surface and underground water-use sources"; PND F 14.1:2:4.117-97 "Procedure for measuring the mass concentration of phenols in samples of natural, drinking and waste water on the "Fluorat-02" analyzer"; RD 52.24.488-95 "Procedure for measuring mass concentration by determination of the sum of volatile phenols in water by the photometric method after steam
	Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical



- formaldehyde;	MUK 4.1.1265-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in samples of drinking water and water from surface and underground water-use sources"; RD 52.24.492-95 "Procedure for measuring the mass concentration of formaldehyde in waters by the photometric method with acetylacetone"; MUK 4.1.753-99 "Ion chromatographic determination of formaldehyde in water"; PND F 14.2:4.187-02 "Procedure for measuring the mass concentration of formaldehyde in samples of natural, drinking and waste waters on the liquid analyzer "Fluorat-02"; Coll. "Methodological guidelines for the determination of harmful substances in environmental objects" Issue 1, Minsk, 1993; PND F 14.12:4.120-96 "Quantitative chemical analysis of waters. Procedure for measuring mass concentrations of formaldehyde in samples of natural,
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- chlorobenzene;	MUK 4.1.739-99 "Chromatography-mass spectrometric determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, orthochlorotoluene and naphthalene in water"; Instruction 4.1.10-15-90-2005 "Implementation of state sanitary supervision of the production and use of polyolefin-class polymer materials intended for contact with food products"; Instruction 4.1.11-11-13-2004 "Procedure for measuring concentrations of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water by chromatography-mass spectrometry" MVI.MN 6309-2020 "Mass concentration of chlorobenzene released from polycarbonate articles into aqueous and air media. Measurement procedure by gas chromatography" (certificate of
	29.10.2020, applies from 01.06.2022 until the corresponding interstate



- ethyl acetate;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various compositions";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of

- ethylene glycol;	Instruction No. 880-71 "Instruction for the sanitary-chemical testing of articles manufactured from polymer and other synthetic materials intended for contact with food products"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical testing of articles manufactured from polymer and other synthetic materials in contact with food products
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- epichlorohydrin;	Instruction No. 4259-87 "Instruction for the sanitary-chemical testing of articles manufactured from polymer and other synthetic materials intended for use in domestic and drinking water supply and water management"; MU 4398-87 "Methodological guidelines for the hygienic assessment of lacquered cans"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical testing of articles manufactured from polymer and other synthetic materials in contact with food products"; Instruction 2.3.3.10-15-89-2005 "Sanitary and hygienic assessment of lacquered cans"; MVI. MN 1924-2003 "Procedure for the sanitary-chemical testing of articles intended for use in domestic and drinking water supply and water management";
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Toxicity index	MU 1.1.037-95 "Biotesting of products made of polymer and other materials" Instruction 1.1.11-12-35-2004 "Requirements for conducting experimental studies for the primary toxicological assessment and hygienic regulation of substances, appr. by resolution of the Chief State Sanitary Doctor of the Republic of Belarus of 14.12.2004 No. 131"
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22	Biological safety requirements: toxicological and clinical indicators	GOST 12.1.007-76 "SSBT. Harmful substances. Classification and general safety requirements" MU 2102-79 "Assessment of the effects of harmful chemical compounds on the skin and justification of maximum permissible levels of skin contamination", approved by the USSR Ministry of Health on 01.11.79; MU 1.1.578-96 "Requirements for conducting experimental studies to justify maximum permissible concentrations of
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23	Mechanical safety requirements: - anchorage strength of brush tufts;	clause 3.1 GOST 28637-90 "Bristle and brush products. Inspection methods"
- strength of the product block at the point of smallest cross-section;	clause 3.3 GOST 28637-90 "Bristle and brush products. Inspection methods"	
stiffness of the working part	Annex 3 GOST 6388-91 (ISO 8627-87) "Toothbrushes. General specifications"	
- quality control of finishing of the working part of the toothbrush	clause 4.3 GOST 28637-90 "Bristle and brush products. Inspection methods"	
Single-use sanitary and hygienic products		

24	Sampling	clause 6.4 GOST R 52557-2011 "Children's paper diapers. General specifications" GOST 26668-85 "Food and flavour products. Methods of sampling for microbiological analyses" SanPiN 1.1.12-14-2003 "Hygiene Requirements for the safety of personal hygiene products"
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25	Microbiological and biological safety requirements	GOST ISO 7218-2011 "Microbiology of food and animal feeding stuffs. General requirements and guidance for microbiological examinations"; GOST 31708-2012 (ISO 7251:2005) "Microbiology of food and feeds. Method for the detection and enumeration of presumptive Escherichia coli. Most probable number technique"; ISO 4831:2006 "Microbiology of food and feeds. Horizontal method for the detection and enumeration of coliform bacteria"; ISO 4832:2006 "Microbiology of food and feeds.
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Sensitizing effect	MUK 4.1/4.3.1485-03 "Hygienic assessment of clothing for children, adolescents and adults. Control methods. Chemical factors. Physical factors";
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26	Chemical safety requirements: - release of health-hazardous chemical substances: - zinc, arsenic, chromium, lead;	GOST 31870-2012 "Drinking water. Determination of elements by atomic spectrometry methods"; PND F 14.2.22-95 "Procedure for measuring the mass concentration of iron, cadmium, lead, zinc and chromium ions in natural and waste water samples by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron and silver in drinking, natural
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- acrylonitrile;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; MUK 4.1.658-96 "Guidelines for the gas chromatographic determination of acrylonitrile in water"; MUK 2.3.3.052-96 "Sanitary-chemical studies of articles made of polystyrene and styrene copolymers"; MUK 4.1.1206-03 "Gas chromatographic determination of acrylonitrile, acetonitrile, dimethylformamide, diethylamine and triethylamine, in water"; MR 01.024-07 "Gas chromatographic determination
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- acetaldehyde;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated
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- acetone;	MUK 4.1.649-96 "Guidelines for chromatographic mass-spectrometric determination of volatile organic substances in water"; MUK 4.1.650-96 "Guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions";
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- benzene;	MUK 4.1.649-96 "Guidelines for chromat-mass-spectrometric determination of volatile organic substances in water"; MUK 4.1.650-96 "Guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; Instruction 4.1.11-11-13-2004 "Procedure for performing measurements of concentrations of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water by chromat-mass spectrometry"; Instruction 4.1.10-15-91-2005 "Gas chromatographic method for determining residual monomers and non-polymerizing impurities
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- hexane;	MUK 4.1.650-96 "Methodological guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n- propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate,
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- methyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated
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- propyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated
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- toluene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of
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- phenol;	MUK 4.1.667-97 "Chromato-mass spectrometric determination of concentrations of phenols and chloro derivatives in water"; MUK 4.1.737-99 "Chromatography-mass spectrometry determination of phenols in water"; MUK 4.1.752-99 "Gas chromatographic determination of phenol in water"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical studies of articles made of polymeric and other synthetic materials in contact with food products"; Instruction 2.3.3.10-15-89-2005 "Sanitary-hygienic assessment of lacquered can containers";
	"Procedure for gas chromatographic

- formaldehyde;	MUK 4.1.1265-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in samples of drinking water and water from surface and underground water-use sources"; RD 52.24.492-95 "Procedure for measuring the mass concentration of formaldehyde in waters by the photometric method with acetylacetone"; MUK 4.1.753-99 "Ion chromatographic determination of formaldehyde in water"; PND F 14.2:4.187-02 "Procedure for measuring the mass concentration of formaldehyde in samples of natural, drinking and waste waters using the liquid
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- ethyl acetate;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (certificate of



Toxicity index	MU 1.1.037-95 "Biotesting of products made of polymeric and other materials"
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Clothing, articles made of textile materials and fur, knitted articles, finished piece textile articles and textile materials used for the manufacture of footwear, clothing and leather articles, leather haberdashery articles and prams

27	Sampling	GOST 23948-80 "Garments. Acceptance rules" GOST 9173-86 "Knitted articles. Acceptance rules" GOST 20566-75 "Fabrics and piece textile articles. Acceptance rules and sampling method" GOST 8844-75 "Knitted fabrics. Acceptance rules and sampling method" GOST 13587-77 "Nonwoven fabrics and nonwoven piece articles. Acceptance rules and sampling method" MUK 4.1/4.3.1485-03 "Hygienic assessment of clothing for children, adolescents and adults. Control methods. Chemical factors.
		GOST 32077-2013 "Dressed fur skins and

28	Electrostatic field strength level	MUK 4.1/4.3.1485-03 "Hygienic assessment of clothing for children, adolescents and adults. Control methods. Chemical factors. Physical factors" SanPiN 9-29.7-95 "Sanitary norms for permissible levels of physical factors in the use of consumer goods under domestic conditions. Method for measuring electrostatic field strength"; GOST 32995-2014 "Textile materials. Method for measuring electrostatic field strength" (sections 4 – 6)
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29	Identification	GOST ISO 1833-2001 "Textile materials. Methods for quantitative chemical analysis of binary fibre mixtures"; GOST ISO 1833-1-2011 "Textile materials. Quantitative chemical analysis. Part 1. General principles of testing"; GOST ISO 1833-2-2011 "Textile materials. Quantitative chemical analysis. Part 2. Ternary fibre mixtures"; GOST ISO 1833-3-2011 "Textile materials. Quantitative chemical analysis. Part 3. Mixtures of acetate and certain other fibres (method using acetone)"; GOST ISO 1833-5-2011 "Textile materials. Quantitative chemical analysis. Part 5. Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate)";
		"Textile materials. Quantitative chemical

30	Climatic conditions for testing	GOST 10681-75 "Textile materials. Climatic conditions for conditioning and testing of samples and methods for their determination" MUK 4.1/4.3.1485-03 "Hygienic assessment of clothing for children, adolescents and adults. Control methods. Chemical factors. Physical factors" STB ISO 139-2008 "Textile materials. Standard atmospheres for conditioning and testing" as regards standard climatic conditions, except clause 3.2 "Alternative atmospheres" GOST R ISO 139-2007 "Textiles. Standard atmospheres for conditioning and testing" except clause 3.2 "Alternative atmospheres"
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31	Chemical and biological safety requirements:	
- hygroscopicity;	GOST 3816-81 (ISO 811-81) "Textile fabrics. Methods for determining hygroscopic and water-repellent properties"; cl. 3.1 GOST 30383-95 "Children's knitted underwear. Standards for physical and hygienic indicators"; cl. 3.1 GOST 31422-2010 "Children's knitted outerwear. Standards for physical and hygienic indicators"	
- air permeability;	GOST 12088-77 "Textile materials and articles made of them. Method for determining air permeability"	

- colour fastness;	GOST 9733.0-83 "Textile materials. General requirements for methods of testing colour fastness to physical and chemical influences"; GOST 9733.4-83 "Textile materials. Method for testing colour fastness to washing"; GOST 9733.5-83 "Textile materials. Method for testing colour fastness to distilled water"; GOST 9733.6-83 "Textile materials. Methods for testing colour fastness to "perspiration"; GOST 9733.9-83 "Textile materials. Method for testing colour fastness to seawater"; GOST 9733.27-83 "Textile materials. Method for testing colour fastness to rubbing"; GOST 2351-88 "Knitted articles and fabrics. Colour fastness standards and methods for its determination";
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- water absorption;	GOST 3816-81 (ISO 811-81) "Textile fabrics. Methods for determination of hygroscopic and water-repellent properties"; clause 5.10 of GOST 11027-2014 "Cotton terry and waffle fabrics and piece goods. General specifications"; clause 5.12 of STB 1017-96 "Cotton and blended terry and waffle fabrics and piece goods. General specifications";
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32	Chemical safety requirements: - release of chemical substances harmful to health: - cobalt, copper, nickel, arsenic, chromium, lead, mercury;	GOST 31870-2012 "Drinking water. Determination of elements content by atomic spectrometry methods"; PND F 14.2.22-95 "Procedure for measuring the mass concentration of iron, cadmium, lead, zinc and chromium ions in natural water and wastewater samples by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Procedure for performing measurements of cobalt, nickel, copper,
		manganese, iron, silver in

- free formaldehyde content;

GOST 25617-2014 "Linen, half-linen, cotton and blended fabrics and articles. Methods of chemical testing";

GOST 31280-2004 "Furs and fur articles. Harmful substances. Methods for detection and determination of free formaldehyde and water-extractable chromium (VI) and total chromium";

GOST ISO 17226-1-2011 "Leather. Determination of formaldehyde content. Part 1. Liquid chromatography method";

GOST ISO 17226-2-2011 "Leather. Determination of formaldehyde content. Part 2. Photometric method of determination";

STB ISO 14184-1-2011 "Textile materials. Determination of formaldehyde content. Part 1. Determination of free and hydrolysed formaldehyde by the water extraction method";

"Textiles. Determination of formaldehyde content.

- acrylonitrile;	GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; GOST 30713-2000 "Polyacrylonitrile fibre. Determination of the migration concentration of acrylic acid nitrile into air. Gas chromatography method"; MUK 4.1.658-96 "Methodological guidelines for gas chromatographic determination of acrylonitrile in water"; MUK 2.3.3.052-96 "Sanitary and chemical testing of articles made of polystyrene and styrene copolymers"; MUK 4.1.1206-03 "Gas chromatographic determination of acrylonitrile, acetonitrile, dimethylformamide,
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- acetaldehyde;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various compositions";

MUK 4.1.1045-01 "HPLC determination of formaldehyde and saturated aldehydes (C2-C10) in air";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol,

- acetone;

MP 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MYK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water

- benzene;

MP 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MYK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water

- vinyl acetate;	GOST 22648-77 "Plastics. Methods for determining hygienic indicators"; MR 2915-82 "Methodological recommendations for the determination of vinyl acetate in water by gas-liquid chromatography" MR 1870-78 "Methodological recommendations for the mercurimetric determination of small quantities of vinyl acetate in water, in water-alcohol solutions and food products"
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- vinyl chloride;	GOST 25737-91 (ISO 6401-85) "Plastics. Homopolymers and copolymers of vinyl chloride. Determination of residual vinyl chloride monomer. Gas chromatographic method"; MR 1941-78 "Methodological recommendations for the determination of vinyl chloride in PVC and polymer materials based on it, in model media simulating food products, in foodstuffs"; GOST 26150-84 "Polymer finishing building materials and products based on polyvinyl chloride. Sanitary-chemical evaluation method"; MUK 4.1.607-06 "Methodological guidelines for the
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- hexamethylenediamine;	MR 1503-76 "Methodological recommendations for the determination of hexamethylenediamine in water during sanitary-chemical studies of polymer materials used in the food and textile industries"; Instruction No. 880-71 "Instruction on the sanitary- chemical testing of articles made of polymer and other synthetic materials intended for contact with food products"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical testing of articles made of polymer and other synthetic materials in contact with
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- dibutyl phthalate, dioctyl phthalate;	MUK 4.1.738-99 "Chromatography-mass spectrometric determination of phthalates and organic acids in water"; MU 4077-86 "Methodological guidelines for the sanitary- hygienic testing of rubbers and articles made from them intended for contact with food products"; Instruction 4259-87 "Instruction on the sanitary- chemical testing of articles made of polymer and other synthetic materials intended for use in domestic and drinking water supply and water management"; MR 01.025-07 "Gas chromatographic
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- dimethyl terephthalate;	MUK 4.1.745-99 "Gas chromatographic determination of terephthalic acid dimethyl ester in water"; Instruction No. 880-71 "Instruction on the sanitary-chemical testing of articles made of polymer and other synthetic materials intended for contact with food products"; MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition"; MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl
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- dimethylformamide;	MUK 4.1.1206-03 "Gas chromatographic determination of acrylonitrile, acetonitrile, dimethylformamide, diethylamine and triethylamine in water"; MUK 4.1.1044a-01 "Gas chromatographic determination of acrylonitrile, acetonitrile, dimethylamine, dimethylformamide, diethylamine, propylamine, triethylamine and ethylamine in air"; MU 11-12-26-96 "Methodological guidelines for the determination of dimethylformamide in extracts (sweat fluid) from "Nitron D" fibre by gas-liquid chromatography"
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- ε-caprolactam;	NDP 30.2:3.2-95 (NDP 30.2:3.2-04) "Procedure for performing measurements of ε-caprolactam in natural and waste waters"; Instruction No. 4259-87 "Instruction on sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for use in domestic and drinking water supply and water management"; MUK 4.1.1209-03 "Gas chromatographic determination of ε-caprolactam in water"; Instruction 4.1.10-14-101-2005, chapter 5. "Methods for testing polymeric materials for hygienic assessment"; GOST 30351-2001 "Polyamides, polyamide fibres, fabrics,
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- xylenes (mixture of isomers);	MUK 4.1.649-96 "Methodological guidelines for the chromatography-mass spectrometry determination of volatile organic substances in water"; MUK 4.1.650-96 "Methodological guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m- , p-xylenes, o-xylene, styrene, isopropylbenzene, orthochlorotoluene and naphthalene in water"; MR No. 29 FTs/830 "Gas
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- methyl acrylate;	MUK 2.3.3.052-96 "Sanitary-chemical testing of articles made of polystyrene and styrene copolymers"; MUK 4.1.656-96 "Methodological guidelines for the gas chromatographic determination of methyl acrylate and methyl methacrylate in water"; MUK 4.1.025-95 "Methods for measuring the mass concentration of methacrylic compounds in environmental objects"; MUK 4.1.620-96 "Methodological guidelines for the gas chromatographic determination of methyl acrylate in ambient air; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; MUK 4.1.3171-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl
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- methyl methacrylate;	MUK 2.3.3.052-96 "Sanitary-chemical testing of articles made of polystyrene and styrene copolymers"; MUK 4.1.656-96 "Methodological guidelines for the gas chromatographic determination of methyl acrylate and methyl methacrylate in water"; MUK 4.1.025-95 "Methods for measuring the mass concentration of methacrylic compounds in environmental objects"; MUK 4.1.618-96 "Methodological guidelines for the chromatography-mass spectrometry determination of volatile organic substances in ambient air
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- methyl alcohol;	MP 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various compositions"; MYK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, registry number ΦP.1.31.2013.16740);
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- butyl alcohol;

MP 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, 6-methylstyrene in aqueous extracts from materials of various compositions";

MYK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, alpha-methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, registry number ФР.1.31.2013.16740);



state supervision over the
production and

- styrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizable impurities"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; MUK 2.3.3.052-96 "Sanitary-chemical studies of articles made of polystyrene and styrene copolymers"; MUK 4.1.739-99 "Chromatography-mass spectrometry determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene,
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- toluene;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methyl-styrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16740); MUK 4.1.650-96 "Methodological
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-phenol;	MUK 4.1.752-99 "Gas chromatographic determination of phenol in water"; MUK 4.1.647-96 "Methodological guidelines for the gas chromatographic determination of phenol in water"; MUK 4.1.737-99 "Chromatography-mass spectrometric determination of phenols in water"; MUK 4.1.1263-03 "Measurement of the mass concentration of total and volatile phenols by the fluorimetric method in samples of drinking water and water from surface and underground sources of water use"; PND F 14.1:2:4.117-97 "Procedure for measuring the mass concentration of phenols in samples of natural, drinking and waste water using the "Fluorat-02" analyser";
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- ethylene glycol	Instruction No. 880-71 "Instruction on the sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for contact with food products";
- toxicity index (in aqueous medium);	GOST R 53485-2009 "Textile materials. Method for determination of toxicity"; GOST 32075-2013 "Textile materials. Method for determination of toxicity"; MUK 4.1/4.3.1485-03 "Hygienic assessment of clothing for children, adolescents and adults. Control methods. Chemical factors. Physical factors".

- toxicity index (in air medium)	MR No. 29 FTs/2688-03 "Rapid method for assessing the toxicity of air samples based on water- soluble components with the use of bovine sperm as the test object"
- mass fraction of water- extractable chromium (VI);	GOST 31280-2004 "Furs and fur articles. Harmful substances. Methods for detection and determination of the content of free formaldehyde and water- extractable chromium (VI) and total chromium"
- pH of the aqueous extract of the leather tissue of fur;	GOST 32165-2013 "Dressed fur skins and sheepskins. Method for determination of pH of the aqueous extract"

- shrinkage temperature of the leather tissue of fur	GOST 32078-2013 "Dressed fur skins and sheepskins. Method for determination of shrinkage temperature"	
Leather products (clothing, headwear)		
33	Sampling	GOST 938.0-75 "Leather. Acceptance rules. Methods of sampling" Instruction 1.1.10-12-96-2005 "Hygienic assessment of fabrics, clothing and footwear"
33 ¹	identification	GOST R ISO 17131-2014 "Leather. Method of identification using a microscope";

34	Chemical safety requirements for leather: - mass fraction of free formaldehyde;	GOST ISO 17226-1-2011 "Leather. Determination of formaldehyde content. Part 1. Liquid chromatography method"; GOST ISO 17226-2-2011 "Leather. Determination of formaldehyde content. Part 2. Photometric determination method"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"
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	- color fastness: - to dry and wet rubbing	GOST 938.29-77 "Leather. Method for testing the color fastness of leather to dry and wet rubbing"; GOST 938.29-2002 "Leather. Method for testing the color fastness of leather to dry and wet rubbing"; GOST 32076-2013 "Leather. Method for determining the color fastness of leather to dry and wet rubbing";
	- "perspiration"	GOST 30835-2003 (ISO 11641-1993) "Leather. Method for testing color fastness to perspiration"
Footwear		

35	Sampling	GOST 9289-78 "Footwear. Acceptance rules"; Instruction 1.1.10- 12-96-2005 "Hygienic assessment of fabrics, clothing and footwear"
36	Biological safety requirements:	
- mass of a half- pair of footwear;	GOST 28735-2005 "Footwear. Method for determining mass"	
- flexibility;	GOST 9718-88 "Footwear. Method for determining flexibility"	
- heel height	GOST 33225-2015 "Footwear. Methods for determining linear dimensions	
- mass of a pair of felt footwear;	GOST 1059-72 "Felt footwear. Acceptance rules and test methods";	

identification of the material of the upper, lining and insert insole made of leather;	STB 2132-2010 "Leather articles. Method for determining the materials used"; GOST R ISO 17131-2014 "Leather. Method of identification using a microscope"; GOST 33099-2014 "Leather articles. Method for determining the materials used";
- presence of an open and unfixed heel part in footwear	clause 6.9 of GOST 26165-2003 "Children's footwear. General technical specifications"

37	Mechanical safety requirements: - deformation of the toe puff and counter;	GOST 9135-2004 "Footwear. Method for determining the total and residual deformation of the toe puff and counter" ST RK ISO 20864-2011 "Footwear. Test methods for stiffeners and toe puffs. Mechanical characteristics";
- attachment strength of bottom components;	GOST 9134-78 "Footwear. Method for determining the attachment strength of bottom components"; GOST 9292-82 "Footwear. Method for determining the attachment strength of soles in footwear with chemical attachment methods"	

- waterproofness	clause 4.9 of GOST 6410-80 "Overshoes, boots and shoes, rubber and rubber-textile, glued. Technical specifications" clause 4.9 of GOST 126-79 "Rubber glued galoshes. Technical specifications"	
38	Chemical safety requirements: - mass fraction of free sulfuric acid (as determined from the aqueous extract) in felt footwear;	clause 2.6 of GOST 1059-72 "Felt footwear. Acceptance rules and test methods"

- release of health-hazardous chemical substances according to item 32	GOST R ISO 16000-6-2007 "Indoor air. Part 6. Determination of volatile organic compounds in indoor air and test chamber air by active sampling on Tenax TA sorbent followed by thermal desorption and gas chromatographic analysis using MSD/FID
- toxicity index (in an aqueous medium);	GOST R 53485-2009 "Textile materials. Method for determining toxicity"; GOST 32075-2013 "Textile materials. Method for determining toxicity"; MU 1.1.037-95 "Biotesting of products made of polymer and other materials"
- toxicity index (in an air medium)	- MR No. 29 FTs/2688-03 "Express method for assessing the toxicity of air samples by water-soluble components using bovine sperm as the test object"

Leather goods

39

Sampling

Section 6 of GOST 28631-2005 "Bags, suitcases, briefcases,

satchels, folders, small leather goods. General

technical specifications"

Section 3 of GOST 28754-90 "Waist belts and watch straps.

General technical specifications"

Section 3 of GOST 28846-90 "Gloves and mittens. General

technical specifications"

39 ¹	identification	GOST R ISO 17131-2014 "Leather. Method of identification using a microscope"; GOST 33099-2014 "Leather articles. Method for determining the materials used";
40	Biological safety requirements: - mass of the article	clause 7.3 of GOST 28631-2005 "Bags, suitcases, briefcases, satchels, folders, small leather goods. General technical specifications"
41	Mechanical safety requirements: - breaking load of handle attachment points or maximum load;	clause 7.5 of GOST 28631-2005 "Bags, suitcases, briefcases, satchels, folders, small leather goods. General technical specifications"

- presence of a shape-retaining back;	clause 7.1 of GOST 28631-2005 "Bags, suitcases, briefcases, satchels, folders, small leather goods. General technical specifications"	
- presence of retroreflective elements	clause 7.1 of GOST 28631-2005 "Bags, suitcases, briefcases, satchels, folders, small leather goods. General technical specifications"	
-linear dimensions	clause 7.2 of GOST 28631-2005 "Bags, suitcases, briefcases, satchels, folders, small leather goods. General technical specifications"	
42	Chemical safety requirements for leather according to item 34; for textile materials according to item 32	

- toxicity index (in an aqueous medium);	GOST R 53485-2009 "Textile materials. Method for determining toxicity" GOST 32075-2013 "Textile materials. Method for determining toxicity" MU 1.1.037-95 "Biotesting of products made of polymer and other materials"
- toxicity index (in an air medium)	MR No. 29 FTs/2688-03 "Express method for assessing the toxicity of air samples by water-soluble components using bovine sperm as the test object"

-color fastness to dry and wet rubbing	clause 7.4 of GOST 28631-2005 "Bags, suitcases, briefcases, satchels, folders, small haberdashery items. General technical specifications"	
	clause 4.3 of GOST 28754-90 "Waist belts and watch straps. General technical specifications"	
	clause 4.4 of GOST 28846-90 (ISO 4418-78) "Gloves and mittens. General technical specifications"	
Baby carriages		
43	Sampling	Section 4 of GOST 19245-93 "Baby carriages. General technical specifications"

44	Chemical safety indicators: - release of health-hazardous chemical substances	according to item 32 of this list
- color fastness to rubbing	GOST 9733.27-83 "Textile materials. Method for testing color fastness to rubbing" GOST 9733.0-83 "Textile materials. General requirements for test methods of color fastness to physical and chemical agents"	
45	Mechanical safety requirements: - stability on horizontal and inclined (at an angle of 10°) planes;	clauses 5.7, 5.8 of GOST 19245-93 "Baby carriages. General technical specifications"

- shape stability of the carriage back;	clause 5.6 of GOST 19245-93 "Baby carriages. General technical specifications";
- presence of sharp ends, assemblies and parts, open holes, gaps with a diameter greater than 5 mm and less than 12 mm);	clause 3.13 of GOST 19245-93 "Baby carriages. General technical specifications"
- operation of the braking and locking systems;	clauses 5.9, 5.10 of GOST 19245-93 "Baby carriages. General technical specifications"

- waterproofness of the outer upholstery or cover;	GOST 413-91 "Fabrics with rubber or plastic coating. Determination of waterproofness GOST 22944-78 "Artificial leather and film materials. Methods for determination of water permeability"
- strength of straps, handles, brackets and other devices for carrying;	cl. 5.11 GOST 19245-93 "Baby carriages. General specifications"
- strength of safety belts, adjusters and buckles	cl. 5.12 GOST 19245-93 "Baby carriages. General specifications"
Bicycles	

46	Sampling	Section 7 GOST 31741-2012 "Bicycles. General specifications"
Mechanical safety requirements:	GOST R ISO 8098-2012 "Bicycles for young children. Safety requirements" (applies until 1 January 2020)	
- for bicycles with a saddle height from 435 mm to 635 mm (for preschool children);	GOST 28765-90 (ISO 8098-90) "Bicycles for young children. Safety requirements"	
- for bicycles with the saddle adjustable to a height of 635 mm or more (for school-age children and adolescents);	Section 6 GOST 31741-2012 "Bicycles. General specifications"	
- presence of exposed protrusions;	cl. 6.1.2 GOST 31741-2012 "Bicycles. General specifications"	

- braking system tests;	cl. 3.2, 3.3, 3.4, 3.5 GOST 28765-90 (ISO 8098-90) "Bicycles for young children. Safety requirements" cl. 8.1 GOST 31741-2012 "Bicycles. General specifications"
- tests of the steering; of the assemblies, parts and joints of the bicycle;	cl. 3.6, 3.7, 3.8, 3.9, 3.10, 3.11 GOST 28765-90 (ISO 8098-90) "Bicycles for young children. Safety requirements" cl. 8.2, 8.3, 8.4, 8.5, 8.6 GOST 31741-2012 "Bicycles. General specifications"
- deformation of training wheels	cl. 3.13 GOST 28765-90 (ISO 8098-90) "Bicycles for young children. Safety requirements"

Publishing (book and magazine) products

47	Sampling	Section 5. SanPiN 2.4.7.960-00 "Hygiene Requirements for book and magazine publications for children and adolescents";
48	Biological safety requirements: - optical density of the background;	Section 5. SanPiN 2.4.7.960-00 "Hygiene Requirements for book and magazine publications for children and adolescents"; STB 7.206-2006 "Book and magazine publications for children. General specifications"

- group and style of typeface;	Section 1. Annex 1. GOST 3489.1-71 "Printing typefaces (on Russian and Latin Greek bases). Grouping. Indexing. Baseline. Capacity" SanPiN 2.4.7.16-1-2005 "Hygiene Requirements for book and magazine publications for children" STB 7.206-2006 "Book and magazine publications for children. General specifications"
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- type size; - line length; - increase - of leading; - gutter margins; - size of elements - of the drawing in colouring books;	Section 5. SanPiN 2.4.7.960-00 "Hygiene Requirements for book and magazine publications for children and adolescents"; SanPiN 2.4.7.16-1-2005 "Hygiene Requirements for book and magazine publications for children" STB 7.206-2006 "Book and magazine publications for children. General specifications"
- spacing between words;	cl. 13 of Annex 1. SanPiN 2.4.7.1166-02 "Hygiene Requirements for educational publications for general and primary vocational education". STB 7.206-2006 "Book and magazine publications for children. General specifications"

General requirements for chemical safety: - release of chemical substances hazardous to health: - lead, zinc, arsenic, chromium;	GOST 31870-2012 "Drinking water. Determination of element content by atomic spectrometry methods"; PND F 14.2.22-95 "Procedure for measuring the mass concentration of iron, cadmium, lead, zinc and chromium ions in samples of natural and waste waters by flame atomic absorption spectrometry"; PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron and silver in drinking, natural and waste waters by atomic absorption spectrometry with flame atomization"; PND F 14.1:2:4.140-98 "Procedure for measuring beryllium, vanadium, bismuth, cadmium, cobalt, copper,
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- phenol;	MUK 4.1.752-99 "Gas chromatographic determination of phenol in water"; MUK 4.1.647-96 "Methodological guidelines for gas chromatographic determination of phenol in water"; MUK 4.1.737-99 "Chromatography-mass spectrometry determination of phenols in water"; MUK 4.1.1263-03 "Measurement of the mass concentration of total and volatile phenols by the fluorimetric method in samples of drinking water and water from surface and underground water-use sources"; PND F 14.1:2:4.117-97 "Procedure for measuring the mass concentration of
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- formaldehyde;

MUK 4.1.1265-03

"Measurement of the mass concentration

of formaldehyde by the fluorimetric method in samples

of drinking water and water from surface and underground

water-use sources";

MUK 4.1.078-96

"Methodological guidelines for measuring

the mass concentration of formaldehyde by the fluorimetric

method in the air of the working area and the ambient air

of populated areas";

RD 52.24.492-95"Procedure for measuring the mass

concentration of formaldehyde in waters by the photometric

method with acetylacetone";

MUK 4.1.753-99 "Ion

of formaldehyde in water";

49	General chemical safety requirements: - release of chemical substances harmful to health: - lead, zinc, arsenic, chromium;	GOST 31870-2012 "Drinking water. Determination of element content by atomic spectrometry methods" PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron and silver in drinking, natural and waste waters by atomic absorption spectrometry with flame atomization"; PND F 14.1:2:4.140-98 "Procedure for measuring beryllium, vanadium, bismuth, cadmium, cobalt, copper, molybdenum, arsenic, nickel, tin, lead, selenium, silver, antimony and chromium in drinking, natural and waste waters by atomic absorption spectrometry with electrometric atomization":
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- phenol;	GOST 4152-89 "Drinking water. Method for determining the mass concentration of arsenic" MUK 4.1.752-99 "Gas chromatographic determination of phenol in water"; MUK 4.1.647-96 "Guidelines for the gas chromatographic determination of phenol in water"; MUK 4.1.737-99 "Chromatography-mass spectrometry determination of phenols in water"; MUK 4.1.1263-03 "Measurement of the mass concentration of total and volatile phenols by the fluorimetric method in samples of drinking water and water from surface and underground sources of water use"; PND F 14.1:2:4.117-97 "Procedure for measuring the mass concentration of phenols in samples of natural, drinking and waste water on the "Fluorat-02" analyser"; RD 52.24.488-95 "Procedure for measuring the mass concentration by determining the sum of volatile phenols in water by the photometric method after steam distillation"; MUK 4.1.617-96 "Guidelines for the gas
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- formaldehyde;	MUK 4.1.1265-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in samples of drinking water and water from surface and underground sources of water use"; MUK 4.1.078-96 "Guidelines for measuring the mass concentration of formaldehyde by the fluorimetric method in workplace air and ambient air of populated areas"; RD 52.24.492-95 "Procedure for measuring the mass concentration of formaldehyde in waters by the photometric method with acetylacetone"; MUK 4.1.753-99 "Ion chromatographic determination of formaldehyde in water"; PND F 14.2:4.187-02 "Procedure for measuring the mass concentration of formaldehyde in samples of natural, drinking and waste waters on the "Fluorat-02" liquid analyser"; MUK 4.1.1272-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in workplace air and ambient air of populated areas";
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School and writing supplies

50

General chemical safety requirements:

- release of chemical substances hazardous to health:
- aluminium, zinc, titanium, tin, arsenic, cadmium, chromium, lead, mercury, selenium, antimony, barium, boron

GOST 31870-2012 "Drinking water. Determination of elements by atomic spectrometry methods";
PND F 14.2.22-95 "Procedure for measuring the mass concentration of iron, cadmium, lead, zinc and chromium ions in natural and waste water samples by flame atomic absorption spectrometry";
PND F 14.1:2:4.139-98 "Procedure for measuring cobalt, nickel, copper, chromium, zinc, manganese, iron and silver in drinking, natural and waste waters by atomic absorption spectrometry with flame atomization";
PND F 14.1:2:4.140-98 "Procedure for measuring beryllium, vanadium, bismuth, cadmium, cobalt, copper, molybdenum, arsenic, nickel, tin, lead, selenium, silver, antimony and chromium in drinking, natural and waste waters by atomic absorption spectrometry with electrometric atomization";
PND F 14.1:2:4.143-98 "Procedure for measuring aluminium, barium, boron, iron, cobalt, manganese, chromium and zinc in drinking, natural and waste waters by ICP

- Agidol 2;	"Guidelines for sanitary-chemical testing of children's latex teats and pacifier bulbs of 19.10.90; MVI.MN 5562-2016 "Determination of concentrations of Agidol-2, Captax, Altax, zimate, ethyl zimate, diphenylguanidine, Thiuram D and Thiuram E in aqueous extracts from materials. Measurement procedure by liquid chromatography" (certificate of attestation No. 951/2016 dated 20.04.2016)
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- Agidol 40, Altax;

Guidelines for the sanitary-hygienic assessment of rubber and latex medical devices of 19.12.86;
 MU 4077-86 "Guidelines for the sanitary-hygienic testing of rubbers and rubber articles intended for contact with food products" of 10.03.86;
 Instruction 4.1.10-15-92-2005
 "Sanitary-chemical testing of rubbers and rubber articles intended for contact with food products";
 MVI.MN 5562-2016 "Determination of concentrations of Agidol-2, Captax, Altax, zimate, ethyl zimate, diphenylguanidine, Thiuram D and Thiuram E in aqueous extracts from materials. Measurement procedure by liquid chromatography" (certificate of attestation No. 951/2016 dated 20.04.2016)

- acrylonitrile;

GOST 22648-77 "Plastics. Methods for determination of hygienic indicators";
 GOST 30713-2000 "Polyacrylonitrile fibre. Determination of the migration concentration of acrylic acid nitrile into air. Gas chromatography method";
 MUK 4.1.658-96 "Methodological guidelines for the gas chromatographic determination of acrylonitrile in water";
 MUK 2.3.3.052-96 "Sanitary-chemical studies of products made of polystyrene and styrene copolymers";
 MUK 4.1.1206-03 "Gas chromatographic determination of acrylonitrile, acetonitrile, dimethylformamide, diethylamine and triethylamine in water";
 MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various compositions";
 MUK 4.1.3166-14 "Gas

- acetaldehyde;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various compositions";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various compositions" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740);

MVI. MN 2558-2006 "Procedure for measuring concentrations of acetone and acetaldehyde in extracts of model media simulating food products by

- acetone;

MUK 4.1.649-96 "Methodological Guidelines for Chromato-Mass Spectrometric Determination of Volatile Organic Substances in Water";
MUK 4.1.650-96 "Methodological Guidelines for Gas Chromatographic Determination of Acetone, Methanol, Benzene, Toluene, Ethylbenzene, Pentane, o-, m-, p-Xylene, Hexane, Octane and Decane in Water";
MR 01.024-07 "Gas Chromatographic Determination of Hexane, Heptane, Acetaldehyde, Acetone, Methyl Acetate, Ethyl Acetate, Methanol, Isopropanol, Acrylonitrile, n-Propanol, n-Propyl Acetate, Isobutyl Acetate, Butyl Acetate, Isobutanol, n-Butanol, Benzene, Toluene, Ethylbenzene, m-, o- and p-Xylenes, Isopropylbenzene, Styrene, α -Methylstyrene in Aqueous Extracts from Materials of Various Composition";
MUK 4.1.3166-14 "Gas Chromatographic Determination of Hexane, Heptane, Acetaldehyde, Acetone, Methyl Acetate, Ethyl Acetate, Methanol, Isopropanol, Acrylonitrile, n-Propanol, n-Propyl Acetate, Butyl Acetate, Isobutanol, n-Butanol, Benzene, Toluene, Ethylbenzene, m-, o- and p-Xylenes, Isopropylbenzene, Styrene, α -

- acetophenone;	"Methodological Guidelines for the Sanitary-Hygienic Assessment of Rubber and Latex Articles for Medical Use" of 19.12.86; MU 4077-86 "Methodological Guidelines for the Sanitary-Hygienic Examination of Rubbers and Articles Made from Them Intended for Contact with Food Products"; Instruction 4.1.10-15-92-2005 "Sanitary-Chemical Examination of Rubbers and Articles Made from Them Intended for Contact with Food Products"
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- benzaldehyde;	MUK 4.1.649-96 "Methodological Guidelines for Chromato-Mass Spectrometric Determination of Volatile Organic Substances in Water"; MUK 4.1.618-96 "Methodological Guidelines for Chromato-Mass Spectrometric Determination of Volatile Organic Substances in Atmospheric Air"; MR 01.023-07 "Gas Chromatographic Determination of Hexane, Heptane, Benzene, Toluene, Ethylbenzene, m-, o-, p-Xylene, Isopropylbenzene, n-Propylbenzene, Styrene, 6-Methylstyrene and Benzaldehyde Released into the Air from Materials of Various Composition"; MUK 4.1.3167-14 "Gas Chromatographic Determination of Hexane, Heptane, Benzene, Toluene, Ethylbenzene, m-, o-, p-Xylenes, Isopropylbenzene, n-Propylbenzene, Styrene, a-Methylstyrene and Benzaldehyde in Atmospheric Air, Test Chamber Air and the Air of Enclosed Premises" (certificate of attestation No. 01.00282-2008/0155.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16742)
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- benz(a)pyrene;	MUK 4.1.741-99 "Chromato-Mass Spectrometric Determination of Phenanthrene, Anthracene, Fluoranthene, Pyrene, Chrysene and Benz(a)pyrene in Water"; MUK 4.1.1273-03 "Measurement of the Mass Concentration of Benz(a)pyrene in Atmospheric Air and in Working Zone Air by High-Performance Liquid Chromatography with Fluorimetric Detection"; MU No. 1424-76 "Methodological Guidelines for Sampling from Environmental Objects and Preparing the Samples for Subsequent Determination of Carcinogenic Polycyclic Aromatic Hydrocarbons"; MVI. MN 1489-2001 "Procedure for Measuring Concentrations of Benz(a)pyrene in Water by Liquid Chromatography"
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- benzene;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740);

MUK 4.1.650-96 "Methodological guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane

- butadiene;	MU 942-72 "Methodological guidelines for determining the migration of organic solvents from polymeric materials into air, model solutions, and dry and liquid food products in contact with them" KZ.A.01.0602 "Procedure for measuring the level of migration, expressed in units of mass concentration, into aqueous and air media of butadiene contained in products made of polystyrene and styrene copolymers" (attestation certificate No. 168 dated 22.10.2020; applied from 01.06.2022 until the relevant interstate standard is included in this list)
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- butyl acrylate;	MUK 4.1.657-96 "Methodological guidelines for gas chromatographic determination of butyl acrylate and butyl methacrylate in water"; MUK 4.1.3171-14 "Gas chromatographic determination of acetaldehyde, acetone, methyl acetate, methanol, ethanol, methyl acrylate, methyl methacrylate, ethyl acrylate, isobutyl acrylate, butyl acrylate, butyl methacrylate, toluene, styrene, a-methylstyrene in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0160.19.03.13 dated 19.03.2013, register number FR.1.31.2013.16751)
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- butyl acetate;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740);

MUK 4.1.618-96 "Methodological guidelines for chromatography-mass spectrometric determination of volatile organic substances in ambient air;

MR 01.022-07 "Gas chromatographic

- vinyl acetate;	GOST 22648-77 "Plastics. Methods for the determination of hygienic indicators"; MR 2915-82 "Methodological recommendations for the determination of vinyl acetate in water by gas-liquid chromatography" ; MR 1870-78 "Methodological recommendations for the mercurimetric determination of small amounts of vinyl acetate in water, in water-alcohol solutions and food products"
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- vinyl chloride;	GOST 25737-91 (ISO 6401-85) "Plastics. Homopolymers and copolymers of vinyl chloride. Determination of residual vinyl chloride monomer. Gas chromatographic method"; MR 1941-78 "Methodological recommendations for the determination of vinyl chloride in PVC and polymer materials based on it, in model media simulating food products, in foodstuffs"; GOST 26150-84 "Polymer finishing building materials and products based on polyvinyl chloride. Method of sanitary-chemical assessment"; MUK 4.1.607-06 "Methodological guidelines for the determination of vinyl chloride in ambient air by gas-liquid chromatography"; MUK 4.1.1957-05 "Gas chromatographic determination of vinyl chloride and acetaldehyde in air"; MVI (measurement procedure) for the mass concentration of methyl chloride, vinyl chloride, vinylidene chloride, methylene chloride, chloroform, carbon tetrachloride, etc. in waste, natural surface and ground waters by the gas chromatographic method (certificate of attestation No. 17-05 of 01.03.2005, registry number FR.1.31.2005.01754)
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- vulkacit (zinc ethylphenyldithiocarbamate)	"Methodological guidelines for the sanitary-hygienic assessment of rubber and latex products for medical use" of 19.12.86
- hexamethylenediamine;	MR 1503-76 "Methodological recommendations for the determination of hexamethylenediamine in water during sanitary-chemical studies in polymer materials used in the food and textile industries"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical studies of products made of polymer and other synthetic materials in contact with food products" Instruction No. 880-71 "Instruction on the sanitary- chemical examination of products made of polymer and other synthetic materials intended for contact with food products"

- hexane;

MUK 4.1.650-96 "Guidelines for the gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water";
 MU 4149-86 "Guidelines for the implementation of state supervision over the production and use of polymer materials of the polyolefin class intended for contact with food products";
 MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";
 MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of

- hexene, heptene;	MU 4149-86 "Guidelines for the implementation of state supervision over the production and use of polymer materials of the polyolefin class intended for contact with food products"; MUK 4.1.618-96 "Guidelines for the chromatography-mass spectrometric determination of volatile organic substances in atmospheric air;
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- heptane;

MU 4149-86 "Guidelines for the implementation of state supervision over the production and use of polymer materials of the polyolefin class intended for contact with food products";
 MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";
 MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740);
 Instruction 4.1.10-15-90-2005
 "Implementation of state sanitary supervision over the production and use of polymer materials of the polyolefin class intended

- dibutyl phthalate, dioctyl phthalate;

MUK 4.1.738-99 "Chromatography-mass spectrometric determination of phthalates and organic acids in water";
 MU 4077-86 "Guidelines for the sanitary and hygienic testing of rubbers and articles made thereof intended for contact with food products";
 Instruction 4259-87 "Instruction for the sanitary and chemical testing of articles made of polymeric and other synthetic materials intended for use in domestic and drinking water supply and water management";
 MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition";
 MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0147.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16764);
 GOST 26150-84 "Polyvinyl chloride-based polymeric finishing building materials and articles. Method of sanitary and chemical evaluation";

- diethyl phthalate;

MUK 4.1.738-99 "Chromatography-mass spectrometric determination of phthalates and organic acids in water";
MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition";
MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0147.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16764);
MUK 4.1.614-96 "Guidelines for the determination of diethyl phthalate in atmospheric air by high-performance liquid chromatography";
MUK 4.1.3168-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in atmospheric air, test chamber air and enclosed premises" (certificate of attestation No. 01.00282-2008/0146.14.12.12 dated 14.12.2012, register number FR 1 31 2013 16763)

- dimethyl phthalate

MUK 4.1.738-99 "Chromatography-mass spectrometry determination of phthalates and organic acids in water";
MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition";
MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (certificate of validation No. 01.00282-2008/0147.16.01.13 of 16.01.2013, registry number FR.1.31.2013.16764);
MUK 4.1.611-96 "Methodological guidelines for the gas chromatographic determination of dimethyl phthalate in ambient air";
MUK 4.1.3168-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate and dioctyl phthalate in ambient air, test chamber air and enclosed premises" (certificate of validation No. 01.00282-2008/0146.14.12.12 of 14.12.2012, registry number FR 1 31 2013 16763)

- dimethyl terephthalate;

MUK 4.1.745-99 "Gas chromatographic determination of terephthalic acid dimethyl ester in water";

Instruction No. 880-71 "Instruction for the sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for contact with food products";

Instruction 4.1.11-11-19-2004 "MVI (measurement procedure) for the concentration of terephthalic acid dimethyl ester in water by gas chromatography";

MVI.MN 2367-2005 "Measurement procedure for concentrations of terephthalic acid dimethyl ester in model media simulating food products by gas chromatography";

MR 01.025-07 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis (2-ethylhexyl) phthalate and dioctyl phthalate in aqueous extracts from materials of various composition";

MUK 4.1.3169-14 "Gas chromatographic determination of dimethyl phthalate, dimethyl terephthalate, diethyl phthalate, dibutyl phthalate, butyl benzyl phthalate, bis(2-ethylhexyl)phthalate and dioctyl phthalate in water and aqueous extracts from materials of various composition" (certificate of validation No. 01.00282-2008/0147.16.01.13 of 16.01.2013, registry number

- diphenylguanidine, zinc dimethyldithiocarbamate (zimate), zinc diethyldithiocarbamate (ethyl zimate), isoprene, sulfenamide Ts;

"Methodological guidelines for the sanitary-hygienic assessment of rubber and latex medical articles" of 19.12.86; Instruction 4.1.10-15-92-2005 "Sanitary-chemical testing of rubbers and articles made thereof intended for contact with food products"; MVI.MN 5562-2016 "Determination of concentrations of Agidol-2, captax, altax, zimate, ethyl zimate, diphenylguanidine, thiuram D and thiuram E in aqueous extracts from materials. Measurement procedure by liquid chromatography" (certificate of validation No. 951/2016 of 20.04.2016)

- captax, thiuram D, thiuram E;	"Methodological guidelines for the sanitary-hygienic assessment of rubber and latex medical articles" of 19.12.86; MU 4077-86 "Methodological guidelines for the sanitary-hygienic testing of rubbers and articles made thereof intended for contact with food products"; Instruction 4.1.10-15-92-2005 "Sanitary-chemical testing of rubbers and articles made thereof intended for contact with food products"; MVI.MN 5562-2016 "Determination of concentrations of Agidol-2, captax, altax, zimate, ethyl zimate, diphenylguanidine, thiuram D and thiuram E in aqueous extracts from materials. Measurement procedure by liquid chromatography" (certificate of validation No. 951/2016 of 20.04.2016)
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- ε-caprolactam;	Instruction No. 4259-87 "Instruction for the sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for use in domestic and drinking water supply and water management"; NDP 30.2:3.2-95 (NDP 30.2:3.2-04) "Measurement procedure for ε-caprolactam in natural waters and wastewaters"; MUK 4.1.1209-03 "Gas chromatographic determination of ε-caprolactam in water"; Instruction 4.1.10-14-101-2005, Chapter 5. "Methods for testing polymeric materials for hygienic assessment"; GOST 30351-2001 "Polyamides, polyamide fibres, fabrics and films. Determination of the mass fraction of residual caprolactam and low-molecular compounds and their migration concentration into water. Liquid and gas-liquid chromatography methods"
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- xylenes (mixture of isomers);

MUK 4.1.649-96 "Methodological Guidelines for Chromato-Mass Spectrometric Determination of Volatile Organic Substances in Water";
MUK 4.1.650-96 "Methodological Guidelines for Gas Chromatographic Determination of Acetone, Methanol, Benzene, Toluene, Ethylbenzene, Pentane, o-, m-, p-Xylene, Hexane, Octane and Decane in Water";
Instruction 4.1.10-12-39-2005 "Procedure for Measuring Concentrations of Acetone, Methanol, Benzene, Toluene, Ethylbenzene, Pentane, o-, p-Xylene, Hexane, Octane and Decane in Water by Gas Chromatography"
Instruction 4.1.10-14-91-2005 "Gas Chromatographic Method for Determining Residual Monomers and Non-Polymerizing Impurities Released from Polystyrene Plastics into Water, Model Media and Food Products";
MUK 4.1.1205-03 "Gas Chromatographic Determination of Benzene, Trichloroethylene, Toluene, Tetrachloroethylene

- cumene
(isopropyl-benzene);

MUK 4.1.1205-03 "Gas Chromatographic Determination of Benzene, Trichloroethylene, Toluene, Tetrachloroethylene, Chlorobenzene, Ethylbenzene, m-, p-Xylenes, o-Xylene, Styrene, Isopropylbenzene, ortho-Chlorotoluene and Naphthalene in Water";

MR No. 29 ΦЦ/830 "Gas Chromatographic Determination of the Mass Concentration of Benzene, Toluene, Ethylbenzene, m-, p-, and o-Xylenes, Isopropylbenzene, n-Propylbenzene, Styrene, α-Methylstyrene in Aqueous

Extracts from Polystyrene Plastics";
MR 01.024-07 "Gas Chromatographic Determination of Hexane, Heptane, Acetaldehyde, Acetone, Methyl Acetate, Ethyl Acetate, Methanol, Isopropanol, Acrylonitrile, n-Propanol, n-Propyl Acetate, Isobutyl Acetate, Butyl Acetate, Isobutanol, n-Butanol, Benzene, Toluene, Ethylbenzene, m-, o- and p-Xylenes, Isopropylbenzene, Styrene, α-Methylstyrene in Aqueous Extracts from Materials of Various Composition";

MUK 4.1.3166-14 "Gas Chromatographic Determination of Hexane, Heptane, Acetaldehyde, Acetone, Methyl Acetate, Ethyl Acetate, Methanol, Isopropanol, Acrylonitrile, n-Propanol, n-Propyl Acetate, Butyl Acetate, Isobutanol, n-Butanol, Benzene, Toluene

- methyl methacrylate;	MUK 2.3.3.052-96 "Sanitary-Chemical Testing of Articles Made of Polystyrene and Styrene Copolymers"; MUK 4.1.656-96 "Methodological Guidelines for Gas Chromatographic Determination of Methyl Acrylate and Methyl Methacrylate in Water"; MUK 4.1.025-95 "Methods for Measuring the Mass Concentration of Methacrylic Compounds in Environmental Media"; MUK 4.1.618-96 "Methodological Guidelines for Chromato-Mass Spectrometric Determination of Volatile Organic Substances in Atmospheric Air; GOST 22648-77 "Plastics. Methods for Determining Hygienic Indicators"; MUK 4.1.3171-14 "Gas Chromatographic Determination of Acetaldehyde, Acetone, Methyl Acetate, Methanol, Ethanol, Methyl Acrylate, Methyl Methacrylate, Ethyl Acrylate, Isobutyl Acrylate, Butyl Acrylate, Butyl Methacrylate, Toluene, Styrene, a-Methylstyrene in Water and Aqueous Extracts from Materials of Various Composition" (certificate of attestation No. 01.00282-2008/0160.19.03.13 dated 19.03.2013, register number ФП.1.31.2013.16751)
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- methyl acetate;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";
MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number FR.1.31.2013.16740);
MR 01.023-07 "Gas chromatographic determination of hexane, heptane, benzene, toluene, ethylbenzene, m-, o-, p-xylene, isopropylbenzene, n-propylbenzene, styrene, α -methylstyrene, benzaldehyde released into the air from materials of various composition";
MUK 4.1.3167-14 "Gas chromatographic determination of hexane, heptane, benzene, toluene, ethylbenzene, m-, o-, p-xylenes, isopropylbenzene, n-propylbenzene, styrene, α -methylstyrene, benzaldehyde in ambient air";

- methylene chloride;	MUK 4.1.646-96 "Methodological guidelines for the gas chromatographic determination of halogen-containing substances in water"; MUK 4.1.649-96 "Methodological guidelines for the chromatography-mass spectrometric determination of volatile organic substances in water";
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- α- -methylstyrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; MU 4628-88 "Methodological guidelines for the gas chromatographic determination of residual monomers and non-polymerizing impurities released from polystyrene plastics into water, model media and food products"; MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene, m-, p-, and o-xylenes, isopropylbenzene, n-propylbenzene, styrene, α-methylstyrene in aqueous extracts from polystyrene plastics" MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane
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- methyl
alcohol;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";
MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number Φ P.1.31.2013.16740);
MUK 4.1.650-96 "Methodological

- propyl alcohol;	MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in aqueous extracts from materials of various composition"; MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α-methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number ΦP.1.31.2013.16740); MR 01.022-07 "Gas
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- isopropyl alcohol;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number Φ P.1.31.2013.16740);

МУ 4149-86 "Methodological



- butyl alcohol,
isobutyl
alcohol;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (attestation certificate No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number Φ P.1.31.2013.16740);

MUK 4.1.654-96 "Methodological



gas chromatographic
determination of butanal,
butanol, isobutanol, 2

- styrene;	GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities"; GOST 22648-77 "Plastics. Methods for determination of hygienic indicators"; MUK 2.3.3.052-96 "Sanitary-chemical testing of articles made of polystyrene and styrene copolymers"; MUK 4.1.739-99 "Chromatography-mass spectrometry determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, orthochlorotoluene and naphthalene in water"; MUK 4.1.649-96 "Guidelines for chromatography-mass spectrometry determination of volatile
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- toluene;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various compositions";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various compositions" (validation certificate No. 01.00282-2008/0153.16.01.13 of 16.01.2013, registry number Φ P.1.31.2013.16740);

MUK 4.1.650-96 "Guidelines for



50	- phenol;	MUK 4.1.752-99 "Gas chromatographic determination of phenol in water"; MUK 4.1.647-96 "Guidelines for the gas chromatographic determination of phenol in water"; MUK 4.1.737-99 "Chromatography-mass spectrometry determination of phenols in water"; MUK 4.1.1263-03 "Measurement of the mass concentration of total and volatile phenols by the fluorimetric method in samples of drinking water and water from surface and underground water-use sources"; PND F 14.1:2:4.117-97 "Procedure for
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- formaldehyde;	MUK 4.1.1265-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in samples of drinking water and water from surface and underground water-use sources"; MUK 4.1.078-96 "Methodological guidelines for measuring the mass concentration of formaldehyde by the fluorimetric method in workplace air and in the atmospheric air of populated areas"; RD 52.24.492-2006 "Mass concentration of formaldehyde in waters. Measurement procedure by the photometric method with acetylacetone"; MUK 4.1.753-99 "Ion chromatographic determination of formaldehyde in water"; PND F 14.2:4.187-02 "Procedure for measuring the mass concentration of formaldehyde in samples of natural, drinking and waste waters on the liquid analyzer "Fluorat-02"; MUK 4.1.1272-03 "Measurement of the mass concentration of formaldehyde by the fluorimetric method in workplace air and in the atmospheric air of populated areas";
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- chlorobenzene;	MUK 4.1.739-99 "Chromatography-mass spectrometric determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water"; MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, ortho-chlorotoluene and naphthalene in water"; MUK 4.1.598-96 "Methodological guidelines for the gas chromatographic determination of aromatic, sulfur-containing, halogen-containing substances, methanol, acetone and acetonitrile in atmospheric air"; MUK 4.1.618-96 "Methodological guidelines for the chromatography-mass spectrometric determination of volatile organic substances in atmospheric air; Instruction 4.1.10-15-90-2005 "Performance of state sanitary supervision over the production and use of polymeric materials of the polyolefin class intended for contact with food products"; Instruction 4.1.11-11-
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- ethyl acetate;

MR 01.024-07 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, isobutyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in aqueous extracts from materials of various composition";

MUK 4.1.3166-14 "Gas chromatographic determination of hexane, heptane, acetaldehyde, acetone, methyl acetate, ethyl acetate, methanol, isopropanol, acrylonitrile, n-propanol, n-propyl acetate, butyl acetate, isobutanol, n-butanol, benzene, toluene, ethylbenzene, m-, o- and p-xylenes, isopropylbenzene, styrene, α -methylstyrene in water and aqueous extracts from materials of various composition" (certificate of attestation No. 01.00282-2008/0153.16.01.13 dated 16.01.2013, register number Φ P.1.31.2013.16740);

МУ 4149-86 "Methodological



- ethylbenzene;

GOST 15820-82 "Polystyrene and styrene copolymers. Gas chromatographic method for determination of residual monomers and non-polymerizing impurities";
 GOST 22648-77 "Plastics. Methods for determination of hygienic indicators";
 MUK 4.1.649-96 "Methodological guidelines for chromatographic mass spectrometric determination of volatile organic substances in water";
 MUK 4.1.650-96 "Methodological guidelines for gas chromatographic determination of acetone, methanol, benzene, toluene, ethylbenzene, pentane, o-, m-, p-xylene, hexane, octane and decane in water";
 MUK 4.1.652-96 "Methodological guidelines for gas chromatographic determination of ethylbenzene in water";
 MUK 4.1.739-99 "Chromato-mass spectrometric determination of benzene, toluene, chlorobenzene, ethylbenzene, o-xylene, styrene in water";
 MUK 4.1.1205-03 "Gas chromatographic determination of benzene, trichloroethylene, toluene, tetrachloroethylene, chlorobenzene, ethylbenzene, m-, p-xylenes, o-xylene, styrene, isopropylbenzene, ortho-chlorotoluene and naphthalene in water";
 MR No. 29 FTs/830 "Gas chromatographic determination of the mass concentration of benzene, toluene, ethylbenzene



m-propylbenzene, styrene, & methylstyrene in aqueous

extracts from polystyrene plasticall

- ethylene glycol;	Instruction No. 880-71 "Instruction on sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for contact with food products"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical testing of articles made of polymeric and other synthetic materials in contact with food products"
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- epichlorohydrin;	Instruction No. 4259-87 "Instruction on sanitary-chemical testing of articles made of polymeric and other synthetic materials intended for use in domestic and drinking water supply and water management"; Instruction 2.3.3.10-15-64-2005 "Sanitary-chemical testing of articles made of polymeric and other synthetic materials in contact with food products"; Instruction 2.3.3.10-15-89-2005 "Sanitary-hygienic assessment of lacquered cans"; MVI. MN 1924-2003 "Procedure for gas chromatographic determination of phenol and epichlorohydrin in model media simulating food products" MU 4398-87 "Methodological guidelines for the hygienic assessment of lacquered cans" MUK 2715-83 "Methodological guidelines for gas chromatographic determination of ethylchlorohydrin (ECH) in air"
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