

**The Appendix is an integral part of  
Certificate of Accreditation No.: 51/2022 of 02/02/2022**

**Accredited entity according to ČSN EN ISO 17025:2018:**

**Institut pro testování a certifikaci, a.s.**  
Testing Laboratory  
třída Tomáše Bati 299, Louky, 763 02 Zlín

**Workplace:**

1. **Central Laboratories** třída Tomáše Bati 299, Louky, 763 02 Zlín
2. **Physics and Mechanics Laboratory** třída Tomáše Bati 5264, 760 01 Zlín
3. **Analytical and Mechanics Laboratory** U Tescomy 241, 760 01 Zlín

*The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.*

*Updated list of activities carried out within the required flexible scope of accreditation is available on the laboratory website [www.itczlin.cz](http://www.itczlin.cz).*

*The Laboratory provides expert opinions and interprets test results.*

**1. Central Laboratories**

**Tests:**

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
<b>PHYSICAL TESTS</b>			
<b>F 2</b>	<b>Viscosity characteristics</b>		
F 2.1	Determination of viscosity number and viscosity of liquids	ČSN EN ISO 1628-1 ČSN EN ISO 1628-2 ISO 1628-4 ČSN EN ISO 1628-5 ČSN EN ISO 307 ČSN EN ISO 3104	Liquids, polymer solutions, petroleum products
F 2.2	Determination of intrinsic viscosity	ASTM D 4603	Polymer solutions
F 2.3	Determination of dynamic viscosity by Hoesppler's rheoviscosimeter	ČSN 64 0349	Solutions, dispersions, liquids, paints and varnishes
<b>F 8</b>	<b>Flammability of materials and products</b>		
F 8.1	Determination of burning rate	ČSN EN 71-2+A1, art. 5 ASTM F963-16, Annex A5	Toys
F 8.2	Measurement of flame spread of vertically oriented textile samples	ČSN EN ISO 6941 ČSN EN 1102 ČSN EN 1103	Textile
		ČSN EN ISO 15025	PPE – protective clothing
		ČSN EN 407, art. 6.3 ISO 15383, art. 5.4.1, 6.2.1	PPE – protective gloves

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F 8.3	Test ignitability of vertically oriented textile samples	ČSN EN 1101 ČSN EN ISO 6940	Textiles, veiling, draperies
F 8.4	Determination of flame resistance	ČSN EN 15090:2012, art. 7.3	PPE – footwear for firefighters
F 8.14	Determination of burning rate	ČSN ISO 3795 DIN 75200 TL 1010 FMVSS 302 (49 CFR PART 571)	Materials used in car interiors
<b>P 8</b>	<b>Testing of products and systems for children</b>		
P 8.3	Testing of activity toys - Stability - Determination of static strength - Determination of dynamic strength - Test of gripping - Olivet test - Slide test - Diameter of ropes and chains for swings - Determination of shock by rocker elements - Paddling test	ČSN EN 71-8 art. 6.2 art. 6.3 art. 6.4 art. 6.5 art. 6.6 art. 6.7 art. 6.8 art. 6.9 art. 6.10	Activity toys
<b>TESTING OF TEXTILE MATERIALS AND PRODUCTS</b>			
<b>T 1</b>	<b>Colour stability tests</b>		
T 1.1	Determination of colour fastness to washing	ČSN EN ISO 105-C06	All textile fabrics
T 1.2	Determination of colour fastness to ironing	ČSN EN ISO 105-X11	All textile fabrics
T 1.3	Determination of colour fastness to rubbing	ČSN EN ISO 105-X12 PV 3906	All textile fabrics, non-metallic materials
T 1.4	Determination of colour fastness to water	ČSN EN ISO 105-E01	All textile fabrics
T 1.5	Determination of colour fastness to sea water	ČSN EN ISO 105-E02	All textile fabrics
T 1.6	Determination of colour fastness to water drops	ČSN EN ISO 105-E07	All textile fabrics
T 1.7	Determination of colour fastness to washing with a soap or a soap and soda	ČSN EN ISO 105-C10	All textile fabrics

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T 1.8	Reserved		
T 1.9	Determination of colour fastness to rubbing in presence of organic solvents	ČSN EN ISO 105-D02	All textile fabrics
T 1.10	Determination of colour fastness to chlorinated water	ČSN EN ISO 105-E03	All textile fabrics
T 1.11	Determination of colour fastness to perspiration	ČSN EN ISO 105-E04	All textile fabrics
T 1.12	Determination of colour fastness to dry cleaning	ČSN EN ISO 105-D01	All textile fabrics, hide
T 1.13	Determination of colour fastness to acids	ČSN EN ISO 105-E05	All textile fabrics
T 1.14	Determination of colour fastness to alkalis	ČSN EN ISO 105-E06	All textile fabrics
T 1.15	Determination of colour fastness to hypochlorite bleaching	ČSN EN 20105-N01	All textile fabrics
T 1.16	Determination of colour fastness to peroxide bleaching	ČSN EN ISO 105-N02	All textile fabrics
T 1.17	Evaluation of change in colour tone - grey scale - by apparatus	ČSN EN 20105-A02 ČSN EN ISO 105-A05	Textile fabrics
T 1.18	Evaluation of staining - grey scale - by apparatus	ČSN EN ISO 105-A03 ČSN EN ISO 105-A0	Textile fabrics
T 1.19	Evaluation of colour	ČSN EN ISO 20471, art. 7.2 ČSN EN ISO 105-J01 ČSN EN ISO 105-J03 VW 50190	Textile fabrics
<b>T 2</b>	<b>Determination of mass indicators</b>		
T 2.1	Determination of mass	T-10-44 (ČSN 80 0863)	Textile fabrics, knitted products
T 2.2	Determination of area mass	ČSN EN 12127 ČSN EN ISO 2286-2 ČSN EN 29073-1	Textile fabrics, layered textiles non-woven textiles
T 2.3	Determination of linear mass	ČSN EN ISO 2060 ČSN 80 0890, Chapter D	Textile threads ribbons and braids
<b>T 3</b>	<b>Measure of dimensions 7</b>		
T 3.1	Length and width measuring	ČSN EN 1773	Textile fabrics

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T 3.2	Thickness measuring	ČSN EN ISO 5084	Textile fabrics
T 3.3	Measurement of dimensions	ČSN EN ISO 21420, art. 6.1	PPE - gloves
T 3.4	Protective surface control	ČSN EN ISO 11393-2, art. 6.3 ČSN EN ISO 11393-6, art. 8	PPE - protective clothing
<b>T 4</b>	<b>Dimensional changes</b>		
T 4.1	Determination of dimensional changes after washing and drying	ČSN EN ISO 5077 ČSN EN ISO 6330, except art. 10.1.5 ČSN EN ISO 3759	Textile fabrics and textile products
		ČSN EN ISO 11393-2, art. 6.2 ČSN EN ISO 11393-6, art. 7	PPE - protective clothing
T 4.2	Determination of skewing and arching	ČSN 80 0865	Textile fabrics and textile products
T 4.3	Determination of dimensional changes after wet ironing	ČSN 80 0823, except art. 4.2	Textile fabrics
T 4.4	Determination of heat resistance	ISO 17493, art. 8.1, 8.5	Material fabrics, clothing accessories
T 4.5	Determination of dimensional changes after wet processing	ISO 7771	Textile fabrics
<b>T 5</b>	<b>Textile structure analysis</b>		
T 5.1	Determination of sheerness	ČSN EN 1049-2	Fabrics
T 5.2	Determination of the number of columns and courses	ČSN EN 14971	Knitted fabrics
T 5.3	Determination of number of loops per unit of length and square unit	ČSN ISO 1763	Textile floor coverings
<b>T 6</b>	<b>Mechanical properties</b>		
T 6.1	Determination of the tensile strength and elongation	ČSN EN ISO 13934-1	Textile fabrics
		ČSN EN ISO 13934-2	
		ČSN EN 29073-3	Non-woven textiles
		ČSN EN ISO 1421	Layered textiles
		ČSN EN 13780	Touch and close fasteners
		ČSN 80 0890, Chapter K	Ribbons and braids

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T 6.2	Determination of strength in subsequent tearing	ČSN EN ISO 4674-1 T-09-42 (ISO 4674) ČSN EN 1875-3	Layered textiles
		ČSN EN ISO 9073-4	Non-woven textiles
		ČSN EN ISO 13937-2 ČSN EN ISO 13937-3 ČSN EN ISO 13937-4	Textile fabrics
		ČSN EN 388+A1, art. 6.4	PPE - protective gloves
T 6.3	Seam tensile strength determination	ČSN EN ISO 13935-1 ČSN EN ISO 13935-2	Textile products
		ČSN EN ISO 11393-2, art. 6.5	PPE - protective clothing
T 6.4	Puncture resistance determination	ČSN EN 863	Textile fabrics
		ČSN EN 388+A1, art. 6.5	PPE - protective gloves
T 6.5	Determination of yarn slippage in the seam	ČSN EN ISO 13936-2	Textile fabrics and textile products
T 6.6	Determination of lamination adhesion	ČSN EN ISO 2411	Textile fabrics
T 6.7	Determination of layer cohesion	PV 2034 ČSN EN 12242	Material fabrics and products, touch and close fasteners
T 6.8	Determination of tensile strength and elongation at break of threads	ČSN EN ISO 2062 ISO 3341 ČSN EN ISO 5079	Textile threads glass threads textile fibres
T 6.9	Determination of the strait force	ČSN 80 0890, Chapter L	Ribbons and braids
T 6.10	Determination of bursting strength	ČSN EN ISO 13938-1	Textile fabrics
<b>T 7</b>	<b>Determination of wear resistance</b>		
T 7.1	Determination of wear resistance using the Martindale tester	ČSN EN ISO 12947-2 ČSN EN ISO 12947-3 ČSN EN ISO 12947-4 ČSN EN 13770, method 1 ČSN EN 14465, Annex A ČSN EN ISO 5470-2	Textile fabrics
		ČSN EN 530	PPE - protective clothing
		ČSN EN 388+A1, art. 6.1	PPE - protective gloves

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T 7.2	Determination of resistance to wear and tear on the rotary abrader	PV 3908	Material fabrics
T 7.3	Determination of pilling resistance on a chamber pilling tester	ČSN 80 0838	Textile fabrics
T 7.4	Determination of fabric propensity to surface fuzzing and to pilling	ČSN EN ISO 12945-2	Textile fabrics
T 7.5	Determination of resistance to dirt and cleaning	PV 3353 PV 3356 ČSN EN 15973	Material fabrics
<b>T 8</b>	<b>Other tests</b>		
T 8.1	Determination of wetting resistance – spraying method	ČSN EN ISO 4920	Textile fabrics
T 8.2	Determination of absorption capacity – suction capacity	ČSN 80 0828	Textile fabrics
T 8.3	Determination of resistance to penetration of water – water pressure test	ČSN EN ISO 811	Textile fabrics
T 8.4	Determination of resistance to damage by bending	ČSN EN ISO 7854, art. 5, method C	Textile fabrics
T 8.5	Air permeability test	ČSN EN ISO 9237	Textile fabrics
T 8.6	Material's resistance against penetration of liquids	ČSN EN ISO 6530	Textile fabrics
T 8.7	Measurement of thermal and water-vapour resistance	ČSN EN ISO 11092	Material fabrics
T 8.8	Protective material blocks separation test	ČSN EN 13158, art. 5.5	Protective jackets, body and shoulder protectors
T 8.9	Determination of pile shedding of hair fabrics with the Permapis machine	T-94-21 (PNJ 344-80-88:1988)	Hair fabrics
T 8.10	Flexural test at a low temperature	ISO 4675	Coated textile fabrics
T 8.11	Tackiness determination	ČSN EN 25978	Coated textile fabrics
T 8.12	Determination of material resistance to the effects of temperature changes	ČSN EN ISO 20471, art. 7.4.4	Material fabrics
T 8.13	Oleophobicity – hydrocarbon resistance test	ČSN EN ISO 14419	Material fabrics

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T 8.14	Determination of twist in yarns - Direct counting method	ČSN EN ISO 2061	Textile yarns
T 8.15	Determination of resistance to cutting by sharp objects	ČSN EN ISO 13997	Protective clothing
T 8.16	Cycling procedure for subsequent testing of Touch and close fasteners	ČSN EN 1414	Touch and close fasteners
T 8.17	Determination of the creasing – measuring the angle of recovery	ČSN EN 22313	Textile fabrics
T 8.18	Determination of retroreflective properties	ČSN EN ISO 20471, art. 7.3 ČSN EN 1150, art. 7.3 ČSN EN 13356, art. 5.2, 5.3, 5.4.1, 5.4.2, 5.5, 5.6, 5.7.1	Retroreflective materials
T 8.19	pH determination of water extract	ČSN EN ISO 3071 ČSN EN ISO 4045	Textile fabrics leather
T 8.20	Determination of saliva and perspiration resistance	MoH Regulation 84/2001 Coll., Annex 1	Textile fabrics
T 8.21	Determination of the handgrip ability	ČSN EN ISO 21420, art. 6.2	PPE - gloves
T 8.22	Testing of slide fasteners	ČSN 93 6210-3, except art. 5.4, 5.5	Slide fasteners
T 8.23	Determination of resistance to degradation by chemicals	ČSN EN ISO 374-4	PPE – protective gloves
<b>SHOES AND PERSONAL PROTECTIVE EQUIPMENTS TESTING</b>			
KU 1	Determination of resistance against drops of molten metal	ČSN EN 407, art. 6.7 ČSN EN 348 ISO 9150	PPE – protective gloves, materials
<b>K 1</b>	<b>Strength characteristics</b>		
K 1.1	Determination of tensile properties	ČSN EN ISO 13934-1 ČSN EN ISO 13934-2	Textiles
		ČSN EN ISO 3376 ČSN ISO 4643, art. 5.3 ČSN EN ISO 17706 ČSN 64 7012 ČSN ISO 37 ČSN EN 12803 DIN 53504	Shoes materials and semi-finished products shoes

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		ČSN EN 29073-3 ČSN EN ISO 527-1 ČSN EN ISO 20344, art. 6.4.2	
K 1.2	Determination of tear strength	ČSN EN ISO 3377-1 ČSN EN ISO 3377-2 EN ISO 17696 ČSN EN ISO 4674-1, method B ČSN 64 7032	Shoes materials
		ČSN EN 388+A1, art. 6.4 ISO 15383, art. 6.3.3	PPE - gloves
		ČSN EN 12771 ČSN 62 1459:1990 ISO 34-1 ČSN EN ISO 6383-1	Shoes bottom parts
K 1.3	Determination of delamination resistance - adhesion	ČSN 64 7030 ČSN EN ISO 17698 ČSN EN ISO 11644	Synthetic materials shoes materials leather
K 1.4	Determination of slide fasteners	ČSN EN 15090, art. 7.5.1, 7.5.2	PPE - shoes fasteners
K 1.5	Determination of seam strength and interlayer bond strength	ČSN EN ISO 17697 ČSN 79 7410, art. 56 ČSN 79 5600, art. 6.4.11	Shoes, gloves
		ČSN 79 5600, art. 6.7.2 ČSN EN ISO 17708 ČSN EN 12774 ČSN EN ISO 20344, art. 5.2	Bond between the top and the sole - shoes, PPE - shoes
		ČSN EN 684	Welded joints of floor covering
		ČSN EN ISO 13935-2	PPE - gloves for fire brigade
K 1.6	Determination of strength in tearing off the “stitch“	ČSN EN ISO 23910	Leather, furs
<b>K 2</b>	<b>Dynamic tests</b>		
K 2.1	Determination of the resistance against cyclic bending	ČSN EN ISO 5402-1 ČSN EN ISO 17694 ČSN 64 7029 ČSN EN ISO 32100	Shoemaker’s materials, fancy goods



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K 2.2	Determination of resistance against dynamic stress	ČSN 79 5600, art. 6.6.2	Shoes
		ČSN EN ISO 22568-3, art. 5.2 ČSN EN ISO 22568-4, art. 5.2	PPE - socks resistant to puncture
		ČSN EN ISO 20344, art. 8.4.2	PPE - shoes
K 2.3	Determination of the finishing's impact resistance	ISO 15383, art. 6.4.3	PPE - gloves
K 2.4	Fancy goods carrying capacity determination	K-94-01 (ON 796011:2082)	Knapsack, suitcase, handbag, briefcase
<b>K 3</b>	<b>Impact and impulse tests</b>		
K 3.1	Impact resistance	ČSN EN ISO 20344, art. 5.4 ČSN EN ISO 22568-1, art. 5.3 ČSN EN ISO 22568-2, art. 5.3, 5.5	PPE - shoes, PPE - inserts
K 3.2	Eye-glasses lenses minimum strength	ČSN EN 168, art. 4 ČSN EN ISO 12311, art. 9.1	PPE - shields, glasses
K 3.3	Eye-glasses lenses enhanced strength determination	ČSN EN 168, art. 3 ČSN EN 174, art. 6.5	PPE - shields, glasses
K 3.4	Determination of shock absorption capacity	ČSN EN 13277-1, art. 5.6 ČSN EN 13277-2, art. 5.5 ČSN EN 13277-3, art. 5.5 ČSN EN 13277-4, art. 5.7 ČSN EN 13277-5, art. 5.6 ČSN EN 13546+A1, art. 5.9 ČSN EN 14120+A1, art. 6.7 ČSN EN 15613, art. 6.6 ČSN CEN/TS 15256, art. 6.3.8.1 ČSN EN 1621-1, art. 6.3 ČSN EN 14404+A1,	PPE - protectors

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		art. 6.7 ČSN EN 13277-6, art. 5.6.1 ČSN EN 13277-7, art. 6.4	
		ČSN EN ISO 20344, art. 5.17	PPE - gloves
		ČSN EN 388+A1, cl. 6.6	PPE - gloves
K 3.5	Determination of impact resistance	ČSN EN 14120+A1, art. 6.6 ČSN CEN/TS 15256, art. 6.3.8.2, 6.3.8.3	PPE, protectors for sport
<b>K 4</b>	<b>Attrition and abrasion tests</b>		
K 4.1	Determination of treatment durability during abrasion	ČSN 64 7031, method A, B	Shoemaker's and other's materials
K 4.2	Determination of treatment durability during attrition	ČSN 64 7031, method D ČSN EN ISO 20344, art. 7.3 ČSN EN 12747	Shoemaker's and other's materials PPE - insole shoes
K 4.3	Determination of abrasion resistance	ČSN 62 1466, method A ISO 4649, method A ČSN EN 12770	Shoe's bottom parts
		K-12-35 (ISO 2023:2001, Annex B) ČSN EN ISO 22774, method 1	Shoe lace
K 4.4	Determination of resistance to abrasion by Martindale method	ČSN EN 388+A1, art. 6.1 ČSN EN ISO 20344, art. 6.12 ČSN EN 13520	PPE - gloves, shoes, footwear and other materials
<b>K 5</b>	<b>Diffusion of liquids and gases</b>		
K 5.1	Shoes water permeability	ČSN EN ISO 20344, art. 5.15.2 ČSN 79 5600, art. 6.7.5	PPE - shoes, shoes
K 5.2	Determination of the water absorptivity under dynamic conditions	ČSN EN ISO 5403-1 ČSN EN ISO 17702 ČSN EN ISO 20344, art. 6.13	Shoemaker's and other's materials, PPE - shoes

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K 5.3	Determination of the water absorptivity	ČSN EN ISO 2417	Shoemaker's materials
K 5.4.	Determination of water absorption and desorption	ČSN EN ISO 22649 ČSN 79 5600, art. 6.4.9	Shoemaker's materials insole
		ČSN EN ISO 20344, art. 7.2	PPE - shoes
K 5.5	Determination of water vapour absorption	ČSN EN ISO 20344, art. 6.7 ČSN EN ISO 17229	PPE - shoes, shoemaker's materials
		ČSN EN ISO 21420, art. 6.4	PPE - gloves
K 5.6	Determination of water vapour penetration	ČSN EN ISO 14268 ČSN EN 13515	Leather, shoemaker's and other's materials
		ČSN EN ISO 20344, art. 6.6 ČSN EN ISO 21420, art. 6.3.1	PPE - shoes, gloves
K 5.7	Determination of water vapour penetration coefficient	ČSN EN ISO 20344, art. 6.8	PPE - shoes
<b>K 6</b>	<b>Measurement of geometric quantities</b>		
K 6.1	Measurement of dimensions	ČSN ISO 23529, art. 9 ČSN EN ISO 2589 ČSN EN ISO 2286-3	Thickness - shoemaker's and other's materials
		ČSN 64 7010 ČSN EN ISO 3759 ČSN EN ISO 5084	Shoemaker's and other materials, mass leather, plastics and textile products
		ČSN 79 6506, art. 17 ČSN 79 6505, art. 17	Satchel products
		ČSN EN ISO 20344, art. 5.3, 5.8.1, 6.1, 6.2, 7.1, 8.1 ČSN EN 15090, art. 6.7	PPE - shoes
		ČSN 79 7410, art. 55 ČSN EN ISO 21420, art. 6.1	Outdoor gloves, PPE - protective gloves
		ČSN EN ISO 22568-1, art. 5.2 ČSN EN ISO 22568-2, art. 5.2	PPE - inserts

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		ČSN EN 13595-1, Annex C	PPE - for motorists
K 6.2	Determination of dimensional stability	ČSN 79 3845, method A ISO 17493, art. 8.1, 8.2 ČSN EN 12772	Shoemaker's and other's materials, PPE - gloves, shoes
K 6.3	Determination of field of vision	ČSN EN 13277-4, art. 5.4	PPE - sportsprotectors, shields, glasses
<b>K 7</b>	<b>Determination of mass</b>	ČSN 64 7011 ČSN EN ISO 2420 ČSN EN 12127	Shoemaker's and other's materials
		ČSN 79 5606	Shoes
<b>K 8</b>	<b>Tests of ageing</b>		
K 8.1	Resistance to weather	K-08-34 (ČSN 03 8131)	Knapsack, suitcase handbag, briefcase
K 8.2	Determination of material resistance against ageing	ČSN EN 12749	Shoes shoemaker's materials
K 8.3	Determination of fastness on artificial light	ČSN 79 3856	Shoemaker's and other's materials
<b>K 9</b>	<b>Determination of effects of fluids</b>		
K 9.1	Determination of resistance against liquids	ČSN ISO 1817	Shoemaker's materials and raw products
K 9.2	Determination of resistance to corrosion	ČSN EN ISO 20344, art. 5.6 ČSN EN ISO 22775, method 2 ČSN EN ISO 22568-1, art. 5.5 ČSN EN ISO 22568-3,	PPE - shoes, inserts, socks resistant to puncture, eye-protection

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
		art. 5.3 ČSN EN 168, art. 8	
K 9.3	Determination of resistance to fuel oils	ČSN EN ISO 20344, art. 8.6.1	PPE - working shoes
<b>K 10</b>	<b>Colour stability tests</b>		
K 10.1	Determination of colour stability during abrasion	ČSN EN ISO 11640 ČSN 64 7031, method A, B ČSN EN ISO 17700, method A	Shoemaker's and other's materials
K 10.2	Determination of colour fastness to perspiration	ČSN EN 13277-1, art. 5.3.2 ČSN EN ISO 11641 ČSN EN ISO 105-E04	PPE - non textile materials of sportsprotectors, leather, textiles
K 10.3	Determination of colour fastness to water	ČSN EN ISO 105-E01	Textiles
K 10.4	Determination of colour fastness to water drops	ČSN EN ISO 105-E07 ČSN EN ISO 15700	Textiles, leather
<b>K 11</b>	<b>Ergonomic tests</b>		
K 11.1	Determination of the handgrip ability	ČSN EN ISO 21420, art. 6.2 ISO 15383, art. 6.5.1	PPE - gloves
K 11.2	The time for clothing of glove	ISO 15383, art. 6.5.3, Annex C	PPE - gloves
K 11.3	Determination of time for taking off the gloves	ČSN EN 659+A1, art. 3.15	PPE - fire gauntlet
K 11.4	Determination of specific ergonomic characteristics of footwear	ČSN EN ISO 20344, art. 5.1	PPE - shoes
<b>K 12</b>	<b>Other tests</b>		
K 12.1	Determination of shear friction coefficient	U-06-01 (ČSN 74 4507) ČSN EN 13893 ČSN 74 4507 U-07-02 (ČSN 74 4507) U-07-03 (ČSN 74 4507)	Shoes, floor surface material, fabrics, escalator parts

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K 12.2	Determination of internal electrical resistance	ČSN EN ISO 20344, art. 5.10 ČSN EN 1081+A1, method A	PPE - shoes, floor coverings
K 12.3	Determination of pH	ČSN EN ISO 4045 ČSN EN ISO 3071	Shoes materials and other materials
K 12.4	Determination of density	ČSN ISO 2781, method A ČSN EN ISO 1183-1, method A	Shoes materials and other materials
K 12.5	Determination of SHORE hardness	ČSN EN ISO 868	Shoes materials and other materials
K 12.6	Determination of compression resistance	ČSN EN ISO 20344, art. 5.5 ČSN EN 15090, art. 7.4 ČSN EN ISO 22568-1, art. 5.4 ČSN EN ISO 22568-2, art. 5.4 ČSN EN 13277-6, art. 5.6.2	PPE - shoes, inserts, protectors
K 12.7	Test of stability at increased temperature	ČSN EN 168, art. 5	PPE - shields, glasses
K 12.8	Testing of restraint system	ČSN EN 13277-1, art. 5.4 ČSN EN 13277-2, art. 5.3 ČSN EN 13277-3, art. 5.3 ČSN EN 13277-4, art. 5.5 ČSN EN 13277-5, art. 5.4 ČSN EN 13277-6, art. 5.4 ČSN EN 13277-7, art. 6.3 ČSN EN 13546+A1, art. 5.8 ČSN EN 13061, art. 4.6 ČSN EN 14404+A1, art. 6.8 ČSN EN 14120+A1,	PPE - sportsprotectors

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		art. 6.4 ČSN EN 15613, art. 6.5 ČSN CEN/TS 15256, art. 6.3.7	
K 12.9	Determination of blade cut resistance	ČSN EN 388+A1, art. 6.2 ČSN EN ISO 20344, art. 6.14	PPE - gloves, shoe upper
K 12.10	Lateral protection test	ČSN EN 168, art. 19	PPE - shields, glasses
K 12.11	Determination of resistance to heat	ČSN EN ISO 20344, art. 5.12	PPE - shoes
K 12.12	Determination of resistance to cold	ČSN EN ISO 20344, art. 5.13	PPE - shoes
K 12.13	Determination of stiffness	ČSN 79 5600, art. 6.7.3	Shoes
K 12.14	Determination of energy absorption of the seat region	ČSN EN ISO 20344, art. 5.14 ČSN EN 12743	PPE - shoes
K 12.15	Determination of penetration resistance	ČSN EN 388, art. 6.5 ČSN EN ISO 20344, art. 5.8.2, 5.8.3 ČSN EN ISO 22568-3, art. 5.1 ČSN EN ISO 22568-4, art. 5.1.1	PPE - gloves, shoes, penetration resistant inserts
<b>ANALYTICAL TESTS</b>			
A 1	pH determination by potentiometer	ČSN EN ISO 1264 ČSN ISO 10523 ČSN EN ISO 3071 Eur. Phar., Chapter 2.2.3 Phar.Boh., Chapter 2.2.3 ČSN ISO 3696, art. 7.1 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) ČSN 62 1156, art. 8 ČSN EN 13468, art. 7.2.6	Drinking, surface, waste water, water for analytical purposes, water and water extracts from plastic materials, consumer goods (PBU <sup>(b,c,d)</sup> ), waste, textiles, rubber, leathers, thermal insulating products
		ČSN 65 0313 ČSN 68 1151	Water extracts of chemical products, detergents

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		Eur. Phar., Chapter 2.2.3 Phar.Boh., Chapter 2.2.3 ČSN EN ISO 787-9 ČSN EN 13454-2, art. 5.2	Water-based extracts of pigments and cements
<b>A 2</b>	<b>Determination of acidity and alkalinity by titration</b>		
A 2.1	Determination of acidity and alkalinity	ČSN EN ISO 8871-1, Annex B Eur. Phar., Chapter 3 <sup>e</sup> ), 3.2.2.1, 3, 3.2.4, 3.2.6, 3.2.8, 3.2.9 Phar.Boh., Chapter 3 <sup>e</sup> ), 3.2.2.1, 3.2.4; 3.2.6; 3.2.8; 3.2.9	Water extracts from plastic materials, elastomers, rubbers
A 2.2	Determination of acidity and acids <sup>3)</sup>	ČSN EN ISO 660, except art. 9.2	Fats, oils
A 2.3	Determination of hydrolytic resistance of glass	Eur. Phar., Chapter 3.2.1. Phar.Boh., Chapter 3.2.1. ČSN ISO 720 ČSN ISO 719 A-10-98 (ČSN ISO 4802-1:1993)	Glass, glass products
<b>A 3</b>	<b>Gravimetry – ash, volatiles, soluble and insoluble substances, grain-size analysis</b>		
A 3.1	Ash content determination, loss by annealing; gravimetric method	ČSN EN ISO 3451-1 ČSN EN ISO 3451-4 ČSN EN ISO 3451-5 Eur. Phar., Chapter 2.4.14, 2.4.16 Phar.Boh., Chapter 2.4.14, 2.4.16 ČSN EN ISO 1172 ČSN EN 196-2, art. 4.4.1 ČSN EN 459-2, art. 5.7	Plastics, elastomers, rubbers, textiles  Building products
A 3.2	Determination of volatile matter by gravimetry	ČSN 64 0311 ČSN EN ISO 4684 ČSN EN 14372, art. 6.3.3 ČSN EN 14350-2, art. 5.6 A-05-57 (60. Mitteilung zur Untersuchung von Kunststoffen: Bundesgesundheitsblatt	Plastics, elastomers, rubbers, leather  Consumer goods (PBU, products of child care)



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		45, 462(2002), 61. Mitteilung zur Untersuchung von Kunststoffen: Bundesgesundheitsblatt 46, 362(2003))	
		ČSN EN ISO 787-2	Pigments
A 3.3	Determination of non-volatile matter	ČSN EN ISO 3251	Plastics and paints and varnishes
A 3.4	Determination of dry matter content (moisture content)	ČSN EN ISO 287 ČSN EN 322	Paper, paperboard, wood
		ČSN EN 15167-1, Annex A	Building products, blast-furnace slag
A 3.5	Determination of dissolved and suspended substances by gravimetric method	ČSN 75 7346 ČSN EN 872 ČSN ISO 3696, art. 7.5	Raw, waste water, water for analytical purposes, water extracts from waste
		ČSN EN 196-2, art. 4.4.3, 4.4.4	Cement, lime
A 3.6	Sulphate content determination by gravimetric method	ČSN EN 196-2, art. 4.4.2	Cement, lime
A 3.7	Sieve analysis	A-09-94 (ČSN ISO 2591-1, ČSN ISO 3310-1, ČSN ISO 3310-2, ČSN EN ISO 1624, ČSN EN 196-6, ČSN EN 451-2, ČSN EN ISO 787-7)	Loose materials
A 3.8	Quantitative analysis of two and three-component mixtures of textile fibres	EP and the EU council regulation, Annex VIII, Chapter 2, 3	Textiles
<b>A 4</b>	<b>Determination of extractable and extractible substances by gravimetry</b>		
A 4.1	Overall migration (dry matter) into water, aqueous, alcoholic and substitute fatty food simulants by gravimetry	ČSN 62 1156, art. 12 ČSN EN 1186-1 ČSN EN 1186-3 ČSN EN 1186-5 ČSN EN 1186-7 ČSN EN 1186-9 ČSN EN 1186-14 ČSN EN 1186-15 D.M. 21-03-1973, Annex	Rubbers, plastics, elastomers, consumer Goods (PBU) and materials for their production, packing

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		IV, section I, chapter I. – IV A, B ČSN EN ISO 8871-1, Annex H GB 31604.1-2015 GB 31604.8-2016	
A 4.2	Extractable content determination by gravimetry	US21CFR FDA, art. 175.300, d,e,f US21CFR FDA, art. 177.1520, c, d(3)-d(4) ČSN EN 1186-13, method B Eur. Phar., Chapter 3.1.1.1; 3.1.9 Phar.Boh., Chapter 3.1.1.1; 3.1.9 ISO 6427 ČSN EN ISO 6427 ISO 1407, method A, B ČSN ISO 1407, method A, B	Rubbers, plastics, elastomers, consumer goods (PBU) and materials for their production, packing
		ČSN EN 14372, art. 6.3.2.5	Products of child care, toys
		ČSN 80 0623 ČSN 80 0523 ČSN EN ISO 4048	Textiles Leather
<b>A 5</b>	<b>Determination of density</b>		
A 5.1	Determination of density by titration	ČSN EN ISO 1183-1, method C	Plastics
A 5.2	Reserved		
A 5.3	Determination of density by flotation method	A-11-99 (ČSN EN ISO 1183-1, method C, ČSN EN ISO 12185)	Polymers
A 6	Determination of conductivity	ČSN EN 27888 ČSN EN ISO 8871-1, Annex J ČSN 62 1156, art. 10 ČSN ISO 3696, art. 7.2 ČSN EN ISO 8795 A-03-34 (Annex No. 1 to MoH	Surface, raw, drinking, waste water, water for analytical purposes, water extracts from consumer goods (PBU <sup>(b)</sup> ), waste, elastomers and rubbers

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		Regulation No. 409/2005 Coll.)	
A 7	Determination of resistance to thermal shock	ČSN EN 1183, method B	Ceramic products
A 8.1	Determination of mechanical resistance in dishwasher.	A-08-80 (ČSN EN ISO 12875-1, ČSN EN ISO 12875-2, tab. 1, 2)	Domestic dishes
A 8.2	Determination of resistance to corrosion	ČSN EN ISO 8442-1, art. 6.1 ČSN EN ISO 8442-2, art. 7.1 A-05-55 (ČSN 94 6101:1992, art. 76-78)	Consumer goods, dishes
<b>A 9</b>	<b>Optical methods of determination</b>		
A 9.1	Determination of layer thickness by optical or electron microscopy	A-18-112 (ČSN EN ISO 2808, ČSN ISO 1463)	Plastics, metals, metal and plastic products with surface treatment
A 9.2	Colour measurement and determination of spectral and luminous transmittance by spectrophotometry	ČSN 01 1718 ČSN EN 172, art. 5.2 ČSN EN 167, art. 6, 7.1, 7.2 ČSN EN ISO 7686 ČSN EN ISO 12312-1, art. 5 ČSN EN ISO 12311, art. 7.1-7.8 Eur. Phar., Chapter 3.2.1 Phar. Boh., Chapter 3.2.1 ČSN EN ISO 13468-2	PPE, pipes and fittings, plastics, textile, painted parts, leather, glass, glass products
A 9.3	Measurement of colour by spectrophotometry	ČSN EN ISO 7887 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1)	Drinking water, water extracts from consumer goods (PBU <sup>(b)</sup> )
A 9.4	Measurement of turbidity by nephelometry	ČSN EN ISO 7027-1 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1)	Drinking water, water extracts from consumer goods (PBU <sup>(b)</sup> ), elastomers

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A 9.5	Measurement of absorbance by spectrophotometry	Eur. Phar., Chapter 2.2.25 Phar. Boh., Chapter 2.2.25 ČSN EN ISO 8871-1, Annex C	Solutions and polymer extracts
		ČSN ISO 3696, art. 7.4	Water for analytic purposes
A 9.6	Measurement of colour and turbidity of solutions visually	Eur. Phar., Chapter 2.2.1, 2.2.2, Phar. Boh., Chapter 2.2.1, 2.2.2, ČSN 62 1156, art. 13 ČSN EN ISO 8871-1, Annex A	Water extracts from plastics, rubbers, elastomers
A 9.7	Determination of colourants migration - visually	A-08-83 (Annex to Resolution AP(89)1, ČSN EN 1186-1, ČSN EN 1186-3, ČSN EN 1186-5, ČSN EN 1186-7, ČSN EN 1186-9, ČSN EN 1186-14) ČSN EN 646 GB 31604.7-2016	Consumer goods (PBU <sup>(a,c,d)</sup> ), plastics, rubbers, elastomers, enamels, paper products
A 9.8	Determination of colourants migration - by spectrophotometry	A-08-87 (Italian Ministerial Decree, 21-03-1973, alegado ser. VII, ČSN EN 1186-1, ČSN EN 1186-2, ČSN EN 1186-3, ČSN EN 1186-4, ČSN EN 1186-5, ČSN EN 1186-6, ČSN EN 1186-7, ČSN EN 1186-8, ČSN EN 1186-9, ČSN EN 1186-10, ČSN EN 1186-14)	Consumer goods (PBU <sup>(a)</sup> ), plastics, rubbers, elastomers, paints and varnishes

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A 9.9	Determination of materials and products resistance to saliva and perspiration - visually	MoH Regulation 84/2001, Annex 1 DIN 53160-1 DIN 53160-2	Toys, products for children, plastics rubbers, elastomers, paints and varnishes
A 9.10	Determination of fluorescent brightener transmission fluorescence - visually	A-09-89 (ČSN EN 645, ČSN EN 648, Annex No. 12, section 4 to MoH Regulation No. 39/2001 Coll.) ČSN EN 648	Paper, paperboard, toys, products for children
A 9.11	Determination of melting point by microscope method	A-12-105 (ASTM D 2117-82) ČSN EN ISO 3146, method B	Plastics
A 9.12	Identification of the presence of asbestos fibers by SEM-EDS method	A-20-116 (VDI 3866-5)	Building materials
<b>A 10</b>	<b>Qualitative determination (detection – visual tests)</b>		
A 10.1	Detection of NH <sub>3</sub> , NH <sub>4</sub> <sup>+</sup>	Eur. Phar., Chapter 2.4.1, Phar. Boh., Chapter 2.4.1 ČSN 62 1156, art. 17 ČSN EN ISO 8871-1, Annex G	Water extracts from plastics, rubbers, elastomers, consumer goods (PBU)
A 10.2	Detection of heavy metals	Eur. Phar., Chapter 2.4.8, method A Phar. Boh., Chapter 2.4.8, method A ČSN 62 1156, art. 15 ČSN EN ISO 8871-1, Annex E A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12) GB 31604.9-2016	Water extracts from plastics, rubbers, elastomers, consumer goods (PBU <sup>(a,c,d)</sup> )
A 10.3	Detection of barium, strontium	ČSN 62 1156, art. 22 A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from plastics, rubbers, elastomers, consumer goods (PBU <sup>(a)</sup> )

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A 10.4	Detection of chlorides	Eur. Phar., Chapter 2.4.4 Phar. Boh., Chapter 2.4.4 ČSN 62 1156, art. 16	Water extracts from plastics, rubbers, elastomers, consumer goods (PBU <sup>(a)</sup> )
A 10.5	Detection of sulphides, acid sulphides	ČSN 62 1156, art. 20 ČSN EN ISO 8871-1, Annex I A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from plastics, rubbers, elastomers, consumer goods (PBU <sup>(a,c,d)</sup> )
A 10.6	Detection of sulphates, thiosulphates	Eur. Phar., Chapter 2.4.13 Phar. Boh., Chapter 2.4.13 ČSN 62 1156, art. 19, 21 A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from plastics, rubbers, elastomers, consumer goods (PBU <sup>(a,c,d)</sup> )
A 10.7	Detection of primary aromatic amines	Eur. Phar., Chapter 3.1.1.1, 3.1.14 Phar. Boh., Chapter 3.1.1.1, 3.1.14 ČSN 62 1156, art. 18 A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from plastics, rubbers, elastomers, consumer goods (PBU <sup>(a,c,d)</sup> )
<b>A 11</b>	<b>Sensory tests</b>		
A 11.1	Determination of off-odour and off-taste (off-flavour)	ČSN EN ISO 5495 ČSN EN ISO 4120 ČSN EN 1230-2 ČSN EN 1230-1 ČSN 77 0226 A-04-43 (ČSN ISO 3972, ČSN ISO 8586-1, ČSN ISO 8587, DIN 10964, ČSN EN ISO 5495, ČSN EN ISO 4120, ČSN EN 1230-1,	Products of polymers, PBU, silicates, metals, paper, cardboard and cardboard products

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		ČSN EN 1230-2, ČSN 77 0226, AHEM 13/1982, AHEM 24/1986, ČSN ISO 13302, DIN 10955) ČSN ISO 13302 DIN 10955	
		ČSN EN 1622 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1)	Drinking water, water extracts from consumer goods (PBU <sup>(b)</sup> )
A 11.2	Determination of odour intensity and its description	PV 3900 VDA 270	Plastics, rubbers, carpets, polymers, paints and varnishes, parts of car interiors
<b>A 12</b>	<b>Infrared spectrometry (FTIR)</b>		
A 12.1	Identification of substances by FTIR method	A-96-37 (ASTM D 2621, ČSN ISO 4650) ČSN ISO 4650	Gas, liquids, solids, plastics
<b>A 13</b>	<b>Determination of elements content</b>		
A 13.1	Determination of elements by XRF spectrometry		
A 13.1.1	Identification of elements by XRF spectrometry <sup>3)</sup>	A-98-09 (manual OXFORD ED 2000 Ag)	Liquid and solid inorganic and organic materials
A 13.1.2	XRF identification and quantitative determination of elements by spectrometry <sup>3)</sup>	A-98-09 (manual OXFORD ED 2000 Ag) ČSN EN 62321-3-1	Al alloys, stainless steel, oxides , minerals, rocks, copper alloys, hydrocarbon, PVC and silicone matrix, oil, liquid and solid fuels for stationary sources, electrical products
A 13.2	Determination of extractable chromium	ČSN 79 3873	Leather
A 13.3	Determination of elements by ICP-OES methods <sup>3)</sup>	A-06-61 (ČSN EN ISO 11885, Phar. Boh. 2005, Chapter	Raw, drinking, waste water, water extracts, extracts into solution of artificial perspiration,

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		2.2.22, Eur. Phar. 7th, Chapter 2.4.13) ČSN EN ISO 11885 ČSN EN 1811+A1 ČSN EN 14372, part 6.3.5 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12) ČSN EN 13468, art. 7.2.4, 7.2.5 ČSN EN 62321-5 ČSN EN 480-12 ČSN EN 196-2, art. 4.5.19	thermal insulating products, food simulants, electrical products and their parts, building products, cement, glass, ceramics, metal products
		A-06-61 (ČSN EN ISO 11885, Phar.Boh. 2005, Chapter 2.2.22, Eur. Phar. 6th, Chapter 2.4.13)	Foodstuffs
A 13.4	Determination of migration of certain elements (Sb, As, Ba, Cd, Cr, Pb, Hg, Se)	ASTM F 963-16, art. 8.3.2-8.3.5 ČSN EN 14350-2, art. 5.2	Toys, products of child care, consumer goods (PBU <sup>(c,d)</sup> ) and materials for consumer goods (PBU <sup>(c,d)</sup> )
A 13.5	Determination of extractable elements (Pb, Cd)	ČSN EN 1388-1 ČSN EN 1388-2 ISO 8391-1 ISO 7086-1 ISO 6486-1 ČSN EN ISO 4531 A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Silicates, glass products, ceramics, glass ceramics



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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
A 13.6	Determination of elements by ICP-MS methods <sup>3)</sup>	ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12) A-10-97 (ČSN EN 15763, ČSN EN 15765, ČSN EN ISO 17294-2) CPSC-CH-E1002-08.3 ČSN EN 62321-4 ČSN EN 62321-5 CPSC-CH-E1003-9.1 GB 31604.49-2016 ČSN EN 16711-2	Raw, drinking, waste water, water extracts, extracts into solution of artificial perspiration, products of mineralization, food simulants, foods, non-metallic products for children, electrical products and their parts, glass, ceramics, PBU
A 13.7	Determination of migration of elements by ICP-MS, IC-ICP-MS method <sup>3)</sup>	ČSN EN 71-3 ČSN EN 14372, art. 6.3.1 ČSN EN 1400+A2	Toys, products of child care, PBU <sup>(c,d)</sup> and material for PBU <sup>(c,d)</sup>
<b>A 14</b>	<b>Determination of substances by liquid chromatography methods</b>		
A 14.1	Determination of monomers and additives by liquid chromatography methods (HPLC, UFLC/UV, DAD, fluorescence detector <sup>3)</sup>	A-96-35 (ČSN EN 13130-1, ČSN EN 13130-2, ČSN P CEN/TS 13130-24, ČSN P CEN/TS 13130-27, ČSN EN 15136, ČSN EN 14350-2, art. 5.4, 5.5, ČSN EN 14372, art. 6.3.6, Phar. Boh. as amended, Chapter 3.1.3, 3.1.5, 3.1.6, 3.1.7) ČSN EN 13130-1 ČSN EN 13130-2 ČSN EN ISO 8795	Extracts from consumer goods (PBU) into food simulants, water extracts from consumer goods (PBU)

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		A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12) GB 5009.156 ČSN EN 14372, art. 6.3.6 ČSN EN 14350-2, art. 5.4, 5.5 ČSN EN 71-10, art. 6 ČSN EN 71-11, art. 5.5.1, 5.5.2 Eur. Phar., Chapter 3.1.3, 3.1.5, 3.1.6, 3.1.7 Phar.Boh., Chapter 3.1.3, 3.1.5, 3.1.6, 3.1.7 A-13-107, Method B ČSN EN 13130-8	Products of child care Toys, materials for the manufacture of toys Plastics, elastomers, consumer goods, paper
A 14.2	Determination of colourants <sup>3)</sup>	ČSN EN 71-11, art. 5.3 ČSN EN 71-10, art. 8.1.3, 8.2.1, 8.3.1, 8.4.1, 8.5.1, 8.6.1, 8.7.1, 8.8.1, 8.9.1 A-12-104 (ČSN EN 71-9,10,11)	Toys, toy manufacturing materials
A 14.3	Determination of plasticizers by UFLC method (DAD detector) <sup>3)</sup>	A-14-108 (application sheets Shimadzu HPLC part L402)	Food simulants, water extracts
A 14.4	Determination of polycyclic aromatic hydrocarbon (PAH) by liquid chromatography methods (HPLC, UFLC/UV, DAD – fluorescence detector) <sup>3)</sup>	ČSN 75 7554, method A ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-07-75 (U.S.EPA method 550, ISO 13877)	Drinking, ground, surface, raw, waste water, water extracts from consumer goods (PBU) <sup>(b)</sup> , waste, elastomers Rubbers, plastics, rubber raw materials

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
A 14.5	Identification and determination of selected primary aromatic amines by liquid chromatography with mass detection (LC-MS) method <sup>3)</sup>	A-95-28 (DIN 55610, ČSN EN ISO 17234-1, ČSN EN 14362-1, ČSN EN ISO 14362-3, Technical guidelines, ČSN EN 71-10, ČSN EN 71-11) ČSN EN ISO 14362-1 ČSN EN ISO 17234-1 ČSN EN ISO 14362-3	Leather products, textile products, consumer goods, food simulants, toys, materials for the toys manufacture, dyes
		ČSN EN 71-10, art. 8.1.4, 8.2.2, 8.3.2, 8.4.2, 8.5.2, 8.6.2, 8.7.2, 8.8.2, 8.9.2 ČSN EN 71-11, art. 5.4	Toys, material for toys making
A 14.6	Determination of anions content by ion chromatography (HPLC, UFLC/UV (DAD), conductivity detector <sup>3)</sup>	A-96-36 (ČSN EN ISO 10304-1, ČSN EN ISO 10304-2, ČSN EN ISO 10304-3, ČSN EN ISO 10304-4, EPA method B-1011, Waters application sheets) ČSN EN 13468, art. 7.2.2, 7.2.3	Drinking, surface, raw, waste water, water extracts from waste, cartridges, impigners, sorption tubes, discs with air mass, thermal Insulating products
A 14.7	Determination of anions content after combustion in oxygen by ion chromatography (HPLC, UFLC/UV (DAD), conductivity detector <sup>3)</sup>	A-08-84, method B (ČSN 650332, ČSN EN ISO 10304-1, ČSN EN ISO 10304-2, ČSN EN ISO 10304-3)	Organic compounds
A 14.8	Determination of pentachlorophenol by HPLC, UFLC/UV (DAD) method	A-95-12 (DIN 53313)	Consumer goods (PBU), leather, textile, paper
A 14.9	Determination of organic compounds by LC-MS method <sup>3)</sup>	A-12-104 (ČSN EN 71-9, ČSN EN 71-10, ČSN EN 71-11, ČSN EN 13130-1)	PBU, food simulants, aqueous extracts, extracts, toys, materials for the manufacture of toys, wood preservatives

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
A 14.10	Determination of aldehydes and ketones by HPLC, UFLC method (DAD detector) <sup>3)</sup>	A-12-102 (ČSN EN ISO 17226-1, ČSN EN ISO 17226-3, ISO 16000-3, ISO 16000-4) PV 3925, method A	Water extracts from consumer goods (PBU), extracts from consumer goods (PBU) into food simulants, cartridges, impigners, sorption discs, tubes with air mass, polymer materials
		A-19-115 (ČSN EN 717-1, ČSN EN ISO 16000-9)	Products and semi-finished products of plastics, rubber, wood, building and construction materials
A 14.11	Determination of organic compounds by LC-MS/MS method <sup>3)</sup>	A- 18-110 (ČSN EN 13130-1) A-19-113 (ČSN ISO 21458)	PBU, food simulants, aqueous extracts, extracts, water Hygiene products: baby diapers, incontinence aids, pads and materials used in the production of hygiene products
<b>A 15</b>	<b>Determination of organic compounds by gas chromatography methods</b>		
A 15.1	Determination of monomers and additives by GC/MS, FID, TCD method <sup>3)</sup>	ČSN EN ISO 6401 A-99-17 (ASTM 4526-12, ČSN EN 13130-4, ČSN P CEN/TS 13130-9, ČSN EN ISO 6401) A-13-107, method A ČSN EN 13130-4	Polymers, PBU, paper, plastics
		ČSN EN 13130-1 GB 5009.156 A-03-29 (ČSN EN 13130-1, MoH Regulation No. 409/2005 Coll.) A-04-38 (ČSN EN 13130-1, ČSN EN 13130-3, ČSN P CEN/TS 13130-15, ČSN P CEN/TS 13130-26)	Water extracts from consumer goods (PBU), extracts from consumer goods (PBU) into food simulants, methanol extracts

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
		A-07-73 (ASTM 4526-12, ČSN EN 13130-3) ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12) A-12-103 (ČSN EN 13130-1)	
A 15.2	Determination of volatile organic substances by GC/MS, FID method <sup>3)</sup>	ČSN EN 71-10, art. 6 ČSN EN 71-11, art. 5.5.4, 5.5.5, 5.5.6	Toys, material for toys making
		A-99-18, method B (ČSN ISO 11423-1, ČSN ISO 11423-2) A-04-48 (ČSN EN ISO 10301, ČSN EN ISO 5667-3) ČSN EN ISO 10301 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1)	Drinking, surface, waste water, water extracts from consumer goods (PBU) and waste
		ČSN EN ISO 11890-2	Paints and varnishes
A 15.3	Reserved		
A 15.4	Determination of phthalates by GC-MS method <sup>3)</sup>	A-99-18, method A (EPA 506, ČSN EN 14372) ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Extracts from consumer goods (PBU) into food simulants, water extracts from consumer goods (PBU)
		A-99-18, method A (EPA 506,	Products from plastics and rubbers, PBU, toys, plastics

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		ČSN EN 14372) CPSC-CH-C1001-09.4	
		ČSN EN 14372, art. 6.3.2	Products of child care toys
		A-99-18, method A (EPA 506, ČSN EN 14372)	Water extracts from waste
A 15.5	Identification and quantification of selected organic compounds GC-MS method <sup>3)</sup>	A-14-109 (ČSN P CEN ISO/TS 16189, ČSN P CEN ISO/TS 16186, ČSN EN 16778, ČSN EN 13130-1)	Consumer goods (PBU), polymers, organic materials, food simulants, PPE - protective gloves
A 15.6	Overall migration to fatty food simulants by GC/FID method	ČSN EN 1186-1 ČSN EN 1186-2 ČSN EN 1186-4 ČSN EN 1186-6 ČSN EN 1186-8 ČSN EN 1186-10 ČSN EN 1186-12 ČSN EN 1186-13, method A	Plastics, paints and varnishes, consumer goods (PBU <sup>(a,d)</sup> )
A 15.7	Emission of organic compounds by TD-GC, GC/FID, MS method	PV 3341 VDA 277 VCS 1027, 2759 VCS 1027, 2749	Car interiors, plastics, rubbers
A 15.8	Thermal desorption analysis of organic emissions	VDA 278	Car interiors, plastics, rubbers
A 15.9	Identification and determination of low-molecular compounds by TD-GC-MS and XRF methods	A-07-70 (ČSN EN 62321-8) A-07-71 (VDA 278, PB VWL 709) A-07-72 (ISO 17257, ISO 7270-1) A-19-114 (ČSN EN 14338, ČSN EN 62321-8, Journal of Analytical and Applied Pyrolysis 137 (2049) 37-42)	Polymers, organic materials

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
A 15.10	Organic compounds composition analysis by pyrolysis PY-GC-MS	ISO 7270-1 A-08-85 (ISO 7270-1, ISO 1407)	Rubbers, plastics, elastomers, organic materials
A 15.11	Determination of chlorophenols by GC-MS method <sup>3)</sup>	ČSN EN 12673 ČSN EN ISO 8795 A-03-34 (Annex No. 1 to MoH Regulation No. 409/2005 Coll.) ČSN EN 14041, Annex B	Drinking, surface, water extracts from consumer goods (PBU) Floor coverings
A 15.12	Determination of polychlorinated biphenyls (PCB) by GC/MS method <sup>3)</sup>	A-09-95 (ČSN EN ISO 6468) A-09-95 (ČSN EN ISO 6468)	Drinking, surface, ground, waste water Waste, paper, paperboard
A 15.13	Reserved		
A 15.14	Determination of polycyclic aromatic hydrocarbons (PAH) by GC/MS method	AfPS GS 2019:01 PAK, Annex: Testing instructions	Polymers, rubber materials, rubber, plastics, PBU, toys
A 15.15	Determination of volatile organic substances sorbed on Tenax by GC-MS, FID methods	ISO 16000-6 ČSN EN ISO 18562-3	Internal air (absorption tubes) Medical devices to ensure breathing
<b>A 16</b>	<b>Determination of substances methods</b>		
A 16.1	Determination of chloride ions content by argentometry	ČSN EN 480-10 ČSN EN 13168+A1, Annex D1 ČSN ISO 9297 ČSN EN 196-2, art. 4.5.16	Building products and water extracts from them
A 16.2	Determination of chlorine in organic compounds by argentometry	ČSN EN ISO 1158, method B ČSN EN 1905 A-08-84, method A (ČSN 65 0332) Eur .Phar., Chapter 3.1.1.1, 3.1.1.2, 3.1.10, 3.1.11, 3.1.14 Phar.Boh., Chapter 3.1.1.1, 3.1.1.2, 3.1.10, 3.1.11, 3.1.14	Polymers on a PVC basis, cement

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
A 16.3	Chelatometry		
A 16.3.1	Determination of Ca and Mg content	ČSN EN 196-2, art. 4.5.14, 4.5.15	Cements
A 16.3.2	Pozzolanicity test for pozzolanic cements	ČSN EN 196-5	Cements
A 16.4	Manganometry		
A 16.4.1	Determination of reducing substances content	Eur. Phar., Chapter 3 <sup>e</sup> ), 3.2.9 Phar.Boh., Chapter 3 <sup>e</sup> ), 3.2.9 ČSN 62 1156, art. 9 ČSN EN ISO 8871-1, Annex D A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from rubbers, elastomers, plastics and consumer goods (PBU <sup>(a,c,d)</sup> )
A 16.4.2	Determination of oxidable substances content	A-09-90 (Annex No. 20/1979 k AHEM, MoH Regulation No. 38/2001 Coll., A 84/2001 Coll., AHEM 3/2000 Acta Hygienica epidemiológica et microbiologica) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from rubbers, elastomers and consumer goods (PBU <sup>(a,c,d)</sup> )
A 16.4.3	Determination of permanganate index	ČSN EN ISO 8467 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) GB 31604.2-2016	Drinking, ground, surface, raw water, water for analytic purposes, water extracts from consumer goods (PBU <sup>(b)</sup> )
A 16.5	Iodometry		
A 16.5.1	Determination of residual peroxide	A-05-56 (Phar.Boh., supplement 2014, chapter 3.1.9 Residual peroxides;	Plastics, elastomers, rubbers, silicones



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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
		41. Mitteilung zur Untersuchung von Kunststoffen: Bundesgesundheitsblatt 21, 261, (1978); 58. Mitteilung zur Untersuchung von Kunststoffen: Bundesgesundheitsblatt 40, (1997))	
A 16.5.2	Determination of free and total chlorine	ČSN ISO 7393-3	Drinking water, water extracts from consumer goods (PBU <sup>(b)</sup> )
A 16.6	Determination of cationic-active matter and quaternary ammonium salts	ČSN EN ISO 2871-2	Wood preservatives, detergents, aqueous extracts
<b>A 17</b>	<b>Determination of substances by spectrophotometry</b>		
A 17.1	Determination of formaldehyde by photometric method	ČSN EN 14372, art. 6.3.4 ČSN EN 71-10, art. 6 ČSN EN 71-11, art. 5.5.3 A-08-81 (ČSN EN ISO 14184-1, ČSN EN 13130-1, ČSN EN 717-3, ČSN EN 17226-2)	Products of child care, toys
		ČSN EN ISO 14184-1 ČSN EN ISO 14184-2 A-08-81 (ČSN EN ISO 14184-1, ČSN EN 13130-1) ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1)	Textiles, water extracts from consumer goods (PBU)
		Phar.Boh. as amended, Chapter 2.4.18, method A	Vaccines
		ČSN EN ISO 12460-3 ČSN EN 717-3	Wood, wood products
		ČSN EN 1541	Water extracts from paper and paperboard

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		A-08-81 (ČSN EN 13130-1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Extracts into food simulants of consumer goods (PBU <sup>(a)</sup> )
		ČSN EN ISO 17226-2	Leather
		PV 3925, method B VDA 275	Polymers, non-metallic parts of car interiors
		A-19-115 (ČSN EN 717-1, ČSN EN ISO 16000-9) A-08-81 (ČSN EN 717-3, ČSN EN 717-1)	Products and semi-finished products of plastics, rubber, wood, building and construction materials
A 17.2	Determination of glyoxal content	DIN 54603	Paper, cardboard, aqueous extracts from PBU
A 17.3	Determination of Cr <sup>6+</sup>	ČSN EN ISO 17075-1	Leather
		ČSN ISO 11083 ČSN EN ISO 18412 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1)	Drinking, raw, ground, surface, waste water, water extracts from consumer goods (PBU) and waste
		ČSN EN ISO 20344, art. 6.11	PPE – gloves, footwear
		ČSN EN 196-10	Cement, mortar
		ČSN EN 62321-7-1	Electrical products and components for electrical products
A 17.4	Evidence and determination of primary aromatic amines content	ČSN 62 1156, art. 18 A-07-69 (ČSN EN ISO 13130-1, ČSN 621156) ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from consumer goods (PBU), extracts from consumer goods (PBU) into food simulants

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A 17.5	Determination of compounds containing NH <sub>2</sub> groups	A-04-44 (SHI method) ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from consumer goods (PBU), extracts from consumer goods (PBU) into food simulants
A 17.6	Determination of aromatic substances expressed as styrene	AHEM 13/1982, part B, b A-08-82 (ČSN EN ISO 13130-1, AHEM 13/1982) ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from consumer goods (PBU), extracts from consumer goods (PBU) into food simulants
A 17.7	Determination of phenols content	A-07-74 (ČSN EN ISO 13130-1, ČSN ISO 6439) ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1) A-03-36 (MoH Regulation 38/2001 Coll., Annex 7, 9, 12)	Water extracts from consumer goods (PBU), extracts from consumer goods (PBU) into food simulants
		ČSN ISO 6439	Water extracts from waste
A 17.8	Determination of free and total cyanides	A-02-28 (TP MDS 116, Annex No. 1.1, ČSN ISO 6703-1) ČSN ISO 6703-2	Fill materials
A 17.9	Determination of ammonia and ammonium ions	ČSN ISO 7150-1	Drinking, raw, waste water, water extracts from waste and consumer goods (PBU)

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A 17.10	Determination of free and total chlorine	Mitteilungen aus dem Bundesgesundheitsamt 2. Mitteilung, Chapter 2.4	Drinking water, water extracts from consumer goods (PBU <sup>(b)</sup> )
A 17.11	Determination of secondary aliphatic amines	A-09-96 (BGA Untersuchung von Bedarfgegenständen aus Gummi (1978) B II, XXI, 2.5.2.2.5)	Water extracts from consumer goods (PBU <sup>(a,c,d)</sup> )
A 18	Determination of carbon content (TOC, DOC, TC, IC) by TOC analyzer	ČSN EN 1484 ČSN EN ISO 8795 A-03-34 (MoH Regulation 409/2005 Coll., Annex 1)	Drinking, ground, surface, waste water, water for analytic purposes, water extracts from consumer goods (PBU <sup>(b)</sup> )

<sup>1</sup> asterisk at the ordinal number identifies the tests carried out outside/also outside the Laboratory premises

<sup>2</sup> if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

<sup>3</sup> the following table lists the determined parameters

Ordinal number in appendix	Determined parameters
A 2.2	Acids: lauric, palmitic, erucic, oleic, tartaric, acetic, sulfuric
A.13.1.1	Na, Mg, Al, Si, P, S, Cl, Ar, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Kr, Rb, Sr, Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Sb, Te, I, Xe, Cs, Ba, La, Hf, Ta, W, Re, Os, Ir, Pt, Au, Hg, Tl, Pb, Bi, Po, At, Rn, Fr, Ra, Ac, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, Pa, U
A.13.1.2	Na, Mg, Al, Si, P, S, Cl, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Rb, Sr, Y, Zr, Hf, Ta, W, Hg, Tl, Pb, Bi, Th, U, Nb, Mo, Ag, Cd, In, Sn, Sb, Te, I, Cs, Ba, La, Ce, Pr, Nd
A.13.3	Na, Mg, Al, Si, P, S, K, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, K, Li, W, Pb, Bi, B, Be, In, Ge, Bc
A 13.6	Na, Mg, Al, Si, P, S, K, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, K, Li, W, Pb, Bi, B, Be, In, Ge, Bc
A 13.7	Al, Sb, As, Ba, B, Cd, Cr, Cr <sup>3+</sup> , Cr <sup>6+</sup> , Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn
A.14.1	Lauro lactam (CAS 947-04-6); ε-caprolactam (CAS 105-60-2); caprolactone (CAS 502-44-3); melamine (CAS 108-78-1); 1,3,5-tris(3,5-di-terc.butyl-4-hydroxybenzyl)-1,3,5-triazin-2,4,6-1H,3H,5H-trion (Irganox 3114, Dovemox 3114, CAS 27676-62-6); distearyl dithiopropanoate (DSTDP, Irganox PS 802, CAS 693-36-7); didodecyl-3,3-sulfanyldi dithiopropanoate (DLTDP, Irganox PS 800, CAS 123-28-4); Octadecyl-[3-(3,5-di-terc.butyl-4-hydroxyphenyl)propionate] (Irganox 1076, CAS 2082-79-3); Tris(2,4-di-terc.butylphenyl)phosphite (Irgafos 168, CAS 31570-04-4); bis(2,4-di-terc-butylphenyl)-pentaerythritol-diphosphite (Ultranox 626, Irgafos 126, CAS 26741-53-7); bis(2,4-dikumylphenyl)pentaerythritoldiphosphite (Doverphos S 9228, CAS 154862-43-8);

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	2,6-dimethylfenol (CAS 576-26-1); Aluminium Hydroxybis(2,2'-metylenbis(4,6-di-terc-butylphenyl)phosphate (HADPO, CAS 151841-65-5); 2-merkaptobenzthiazol (MBT, CAS 149-30-4); 2,2-bis(4-hydroxyphenyl)propane (Bisphenol A, CAS 80-05-7); BADGE (CAS 1675-54-3) and its derivatives. H <sub>2</sub> O (CAS 76002-91-0); . 2 H <sub>2</sub> O (CAS 5581-32-8), . HCl (CAS 13836-48-1), . 2HCl (CAS 4809-35-2), . H <sub>2</sub> O.HCl (CAS 227947-06-0) ; BFDGE (CAS 2095-03-6); tris(nonylphenyl)phosphite (TNPP, CAS 26523-78-4); 2,6-di(terc.butyl)-4-methylphenol (butylhydroxyphenol, BHT, CAS 128-37-0); 2,2'-metylenebis(6-t-butyl-4-methylphenol) (AOX 2246, CAS 119-47-1); triethylenglykol-bis-[3/(3-terc-butyl-4-hydroxy-5-methylphenyl)propanoate] (Irganox 245, CAS 36443-68-2); N,N-hexandiylbis[3-(3,5-di-terc-butyl-4-hydroxyphenyl)propanoate] (Irganox 1098, CAS 23128-74-7); trimelitic acid (CAS 528-44-9); methacrylic acid (CAS 79-41-4); maleic acid (CAS 110-16-7); isophthalic acid (CAS 121-91-5); terephthalic acid (CAS 100-21-0); 1,3,5-tris(3,5-di-terc-butyl-4-hydroxybenzyl)-2,4,6-trimethylbenzene (Irganox 1330, CAS 1709-70-2); Pentaerythryl-tetrakis[3-(3,5-bis-terc-butyl-4-hydroxyphenyl)propionate] (Irganox 1010, CAS 6683-19-8); stearic acid (CAS 57-11-4); 2,6-toluen diisocyanate (CAS 91-08-7); diphenylmethan-4,4'-diisocyanate (CAS 101-68-8); toluen-2,4'-diisocyanate (CAS 584-84-9); hexamethylendiisocyanate (CAS 822-06-0); cyclohexylisocyanate (CAS 3173-53-3); naftalen-1,5-diisocyanate (CAS 3173-72-6); diphenylmethan-2,4'-diisocyanate (CAS 5873-54-1); dimer toluen-2,4'-diisocyanate (2,4-TDI dimer, CAS 26747-90-0); phenylisocyanate (CAS 103-71-9); acrylamide (CAS 76-06-1); phenol (CAS 108-95-2); Chimasorb 944 (CAS 71878-19-8); Tinuvin 622 (CAS 065447-77-0); acrylic acid (CAS 0079-10-7); Doverphos S9228 (CAS 154862-43-8); 2-(2'-Hydroxy-3'-tert-butyl-5'-methylphenyl)-5-chlorobenzotriazole (Tinuvin 326, CAS 3896-11-5); 2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)-5-chlorobenzotriazole (Tinuvin 327, CAS 3864-99-1); 2-(2H-benzotriazol-2-yl)-p-cresol (Tinuvin P, CAS 2440-22-4); 2,5-thiophenediylbis(5-tert-butyl-1,3-benzoxazole) (Uvitex OB, CAS 7128-64-5); (2-hydroxy-4-octoxyphenyl) phenylmethanone (Chimassorb 81, CAS 1843-05-6); Calcium bis[monoethyl(3,5-di-tert-butyl-4-hydroxybenzyl)phosphonate] (Irganox 1425, CAS 65140-91-2); tetrakis(2,4-di-tert-butylphenyl)-4,4'-biphenylene diphosphonite (Sandostab EPQ, CAS 38613-77-3); p-cresol-dicyclopentadiene-isobutylene, copolymer (Wingstag L, CAS 68610-51-5); ethylene glycol bis[3,3-bis(3-tert-butyl-4-hydroxyphenyl)butyrate] (CAS 32509-66-3)
A.14.2	Disperse blue I (CAS 2475-45-8); Disperse Blue 106 (CAS 12223-01-7); Disperse Blue 124 (CAS 61951-51-7); Disperse Orange 3 (CAS 730-40-5); Disperse Orange 37 (CAS 13301-61-6); Solvent Yellow 1 (CAS 60-09-3); Solvent Yellow 2 (CAS 60-11-7); Solvent Yellow 3 (CAS 97-56-3); Basic Red 9 (CAS 569-61-9); Basic Violet 1 (CAS 8004-87-3); Basic Violet 3 (CAS 548-62-9); Disperse Blue 3 (CAS 2475-46-9); Disperse Yellow 3 (CAS 2832-40-8); Disperse Red 1 (CAS 2872-52-8); Acid Red 26 (CAS 3761-53-3); Acid Red 49 (CAS 1694-09-3)
A 14.3	Diisononylphthalate (CAS 28553-12-0); dibutylphthalate (CAS 84-74-2); butylbenzylphthalate (CAS 85-68-7); bis(2-ethyl)-hexylphthalate (CAS 117-81-7); di-n-octylphthalate (CAS 117-84-0); diisodecylphthalate (CAS 26761-40-0); dimethylphthalate (CAS 131-11-3); diethylphthalate (CAS 84-66-2); dipropylphthalate (CAS 131-16-8); diamylphthalate (CAS 131-18-0); di-2-propylheptylphthalate (CAS 53306-54-0); Di(ethylhexyl)terephthalate (CAS 6422-86-2); bis(2-ethylhexyl)adipate (CAS 103-23-1)

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A.14.4	Naphtalene (CAS 91-20-3); acenaphtylene (CAS 208-96-8); acenaphtene (CAS 83-32-9); fuorene (CAS 86-73-7); phenantrene (CAS 85-01-8); anthracene (CAS 120-12-7); fluorantene (CAS 206-44-0); pyrene (CAS 129-00-0); benzo(a)anthracene (CAS 56-55-3); chrysene (CAS 218-01-9); benzo(e)pyrene (CAS 205-892-7); benzo(j)fluorantene (CAS 205-82-3); benzo(b)fluorantene (CAS 205-99-2); benzo(kj)fluorantene (CAS 207-08-9); benzo(a)pyrene (CAS 50-32-8); dibenzo(a,h)anthracene (CAS 53-70-3); indeno(1,2,3-c,d)pyrene (CAS 193-39-5); benzo(g,h,i)perylene (CAS 191-24-2)
A.14.5	Primary aromatic amines: 4-amino-biphenyl (PAA-1, CAS 92-67-1); benzidine (PAA-2, CAS 92-87-5); 4-chloro-o-toluidine (PAA-3, CAS 95-69-2); 2-naphtylamine (PAA-4, CAS 91-59-8); o-Aminoazotoluene (PAA-5, CAS 97-56-3); 2-amino-4-nitro-toluene (PAA-6, CAS 99-55-8); p-chloro-aniline (PAA-7, CAS 106-47-8); 2,4-diamino-anisol (PAA-8, CAS 615-05-4); 4,4'-diamino-diphenylmethane (PAA-9, CAS 101-77-9); 3,3'-dichlorobenzidine (PAA-10, CAS 91-94-1); 3,3'-dimetoxibenzidine (PAA-11, CAS 119-90-4); 3,3'-Dimethylbenzidine (PAA-12, CAS 119-93-7); 3,3'-dimethyl-4,4'-diaminodiphenylmethane (PAA-13, CAS 838-88-0); p-Cresidine (PAA-14, CAS 120-71-8); 4,4'-metylen-bis(2-chloroaniline) (PAA-15, CAS 101-14-4); 4,4'-oxy-dianiline (PAA-16, CAS 101-80-4); 4,4'-thiodianiline (PAA-17, CAS 139-65-1); o-toluidine (PAA-18, CAS 95-53-4); 2,4-toluendiamine (PAA-19, CAS 95-80-7); 2,4,5-trimethylaniline (PAA-20, CAS 137-17-7); o-Anisidine (PAA-21, CAS 90-04-0); o-Aminoazobenzene (PAA-22, CAS 60-09-3); 2,4-dimethylaniline (PAA-23, CAS 95-68-1); 2,6-dimethylaniline (PAA-24, CAS 87-62-7); 1,5-Naphtalendiamine (PAA-25, CAS 2243-62-1), aniline (PAA-26, CAS 62-53-3); 2-Chloroaniline (PAA-27, CAS 95-51-2); 3-Chloroaniline (PAA-28, CAS 108-42-9); p-Toluidine (PAA-29, CAS 106-49-0); 1,4-phenylendiamine (PAA-30, CAS 106-50-3); 2,6-Toluendiamine (PAA-31, CAS 823-40-5); N,N-dimethylaniline (PAA-32, CAS 121-69-7); 2,2'-Methylenedianiline (PAA-33, CAS 6582-52-1); 2,4'-methylenedianiline (PAA-34, CAS 1208-52-2); bis(4-aminophenyl)sulfone (PAA-35, DAPSONE; CAS 80-08-0); 2-aminobenzamide (PAA-36, ANTHRANILAMID; CAS 88-68-6); 1,3-phenylendiamine (PAA-37, CAS 108-45-2); 1,3-bis(aminomethyl)benzene (PAA-38, Xylylenediamine; CAS 1477-55-0); 2,5-Dimetoxi-4-chloroaniline (PAA-39, CAS 6358-64-1); 2,5-Dichloroaniline (PAA-40, CAS 95-82-9); o-Phenytidine (PAA-41, CAS 94-70-2); 4-Aminobenzamide (PAA-42, CAS 2835-68-9); 2-Aminonaphtalen-1-sulphonic acid (PAA-43, CAS 81-16-3); p-Toluidine-o-sulphonic acid (PAA-44, CAS 88-44-8); 4-Methylaminosulfonyl-p-cresidine (PAA-45, CAS 49564-57-0); 5-Aminobenzimidazolone (PAA-46, CAS 95-23-8); 3-Amino-9-ethylcarbazole (PAA-47, CAS 132-32-1); 1,2-Phenylendiamine (PAA-48, CAS 95-54-5); 5-Amino-6-methylbenzimidazolone (PAA-49, CAS 67014-36-2)
A 14.6	Fluorides, chlorides, nitrites, nitrates, bromides, sulphates, hydrophosphates, sulphites, iodides, thiosulphates, thiocyanates
A 14.7	Fluorides, chlorides, bromides, iodides, sulphates, sulphites
A 14.9	Benzophenone (CAS 119-61-9); Σ Methyl-benzophenones; 1,2-Benzisothiazol-3(2H)-one (BIT, CAS 2634-33-5); N,N-bis(2-hydroxyethyl)alkyl (C8-C18) amine (ATMER 163, CAS 71786-60-2); Hexamethylenediamine (HMDA, CAS 124-09-4); Dibutyl-phthalate (DBP, CAS 84-74-2); Bis(2-ethylhexyl)-phthalate (BEHP, CAS 117-81-7); O-propylbis-O-(4-

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	<p>propylbenzyliden)sorbitol (Millad NX8000, CAS 882073-43-0); Acetyl tributyl citrate (CAS 77-90-7); Didecyl dimethyl ammonium chloride (DDAC, CAS 7173-51-5); Benzalkonium chloride (BAC, CAS 8001-54-5); D-sorbitol (CAS 50-70-4); Poly(ethylene glycol) (PEG 400, CAS 25322-68-3); Bisphenol S (CAS 80-09-1); Cis-endo-bicyclo (2.2.1)heptane-2,3-dicarboxylic acid, disodium salt (Ref. 38507, CAS 351870-33-2); Cis-cyclohexane-1,2-dicarboxylic acid, calcium salt (Ref. 45704, CAS 491589-22-1); 2,2'-Methylenebis(4-ethyl-6-tert-butylphenol) (Antioxidant 425, CAS 88-24-4); Disperse Blue 106 (CAS 12223-01-7); Disperse Blue 124 (CAS 61951-51-7); Disperse Orange 3 (CAS 730-40-5); Disperse Orange 37 (CAS 13301-61-6); Solvent Yellow 1 (CAS 60-09-3); Solvent Yellow 2 (CAS 60-11-7); Solvent Yellow 3 (CAS 97-56-3); Basic Red 9 (CAS 569-61-9); Basic Violet 1 (CAS 8004-87-3); Basic Violet 3 (CAS 548-62-9); Disperse Blue 3 (CAS 2475-46-9); Disperse Yellow 3 (CAS 2832-40-8); Disperse Red 1 (CAS 2872-52-8); Acid Red 49 (CAS 1694-09-3); Disperse blue I (CAS 2475-45-8); Acid Red 26 (CAS 3761-53-3); Methylpalmitate (CAS 112-39-0); Tri-o-cresyl phosphate (CAS 78-30-8); 2-Hydroxy-2-methylpropiophenone (Photoinitiator 1173, CAS 7473-98-5); 5-Chloro-2-methyl-3(2H)-isothiazolone with 2-methyl-3(2H)-isothiazolone (Kathon 886, CAS 55965-84-9); 2,2-Dimethyl-1,3-propanediol (Neopentyl glycol, CAS 126-30-7); Nonylphenol (CAS 84852-15-3); octylphenoethoxylates (OPEO, Triton X-100, CAS 9002-93-1); nonylphenoethoxylates (NPEO, Arkopal N-100, CAS 9016-45-9); Pentachlorophenol (PCP, CAS 87-86-5); 1-Hydroxycyclohexyl phenyl ketone (Irgacure 184, CAS 947-19-3); 4-tert-butylcatechol (TBC, CAS 98-29-3); Pentadecafluorooctanoic acid (PFOA, CAS 335-67-1); Heptadecafluorooctanesulfonic acid (PFOS, CAS 1763-23-1); 2-Mercaptobenzothiazole (MBT, CAS 149-30-4); N,N-Diethanololeamide (CAS 93-83-4); Diethanolamine (CAS 111-42-2); Tris(2-chloroethyl) phosphate (CAS 115-96-8); Cypermethrin (CAS 52315-07-8); Propiconazol (CAS 60207-90-1); Tebuconazol (CAS 107534-96-3); Iodopropynyl butylcarbamate (CAS 55406-53-6); 1,1,1-Trimethylolpropane (TMP, CAS 77-99-6); 2-Methyl-4-isothiazolin-3-one (MIT; CAS 2682-20-4); Methylchloroisothiazolinone (CMIT; CAS 26172-55-4); CMIT/MIT mixture (CAS 55965-84-9); Tris(2-chloroethyl) phosphate (TCEP; CAS 115-96-8); Tris(1-chloro-2-propyl) phosphate (TCPP; CAS 13674-84-5); Tris(1,3-dichloro-2-propyl) phosphate (TDCP; CAS 13674-87-8); fenoxycarb (CAS 72490-01-8); flufenoxuron (CAS 101463-69-8); triethanolamine (CAS 102-71-6); octylphosphonic acid (CAS 4724-48-5); Trisopropanolamine (CAS 122-20-3); Di(propylene glycol) methyl ether (CAS 34590-94-8); Cyproconazol (CAS 94361-06-5)</p>
A 14.10	<p>Formaldehyde (CAS 50-00-0); glutaraldehyde (CAS 111-30-8); acetaldehyde (CAS 75-07-0); methylethylketone (CAS 78-93-3); acetone (CAS 67-64-1); acrolein (CAS 107-02-8); propionaldehyde (CAS 725-00-8); butyrylaldehyde (CAS 1527-98-6); benzaldehyde (CAS 1157-84-2); crotonaldehyde (CAS 4170-30-3); isovaleraldehyde (CAS 590-86-3); valeraldehyde (CAS 110-62-3); o-tolualdehyde (CAS 529 -20 -4); m-tolualdehyde (CAS 620-23-5); p-tolualdehyde (CAS 104-87-0); hexanal (CAS 66-25-1)</p>
A 14.11	<p>Trizma base (CAS 77-86-1); Bis-methylesterisophthalate (dimethylester of isophthalic acid, CAS 1459-93-4); Ultrinox 626 (CAS 26741-53-7); Uvitex OB (CAS 7128-64-5); Diisononylphthalate (DINP, CAS 28553-12-0); Diisodecylphthalate (DIDP, CAS 26761-40-</p>

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	0); Bis(2-ethylhexyl)adipate (CAS 103-23-1); Dimethyl-5-sulfoisophthalate (CAS 3965-55-7); Triisopropanolamine (CAS 122-20-3); Bisphenol A (CAS 80-05-7); Nonylphenol (CAS 84852-15-3); Glyphosate (CAS 1071-83-6); Aminomethylphosphonic acid (AMPA, CAS 1066-51-9); Cis-cyclohexane-1,2-dicarboxylic acid, calcium salt (CAS 491589-22-1); N,N-bis(2-hydroxyethyl)alkyl (C8–C18)amine (Atmer 163, CAS 71786-60-2); Hexamethylenediamine (HMDA, CAS 124-09-4), Octylphosphonic acid (CAS 4724-48-5); Pentadecafluorooctanoic acid (PFOA, CAS 335-67-1), Heptadecafluorooctanesuphonic acid (PFOS, CAS 1763-23-1)
A.15.1	Vinylchloride (CAS 75-01-4); vinylacetate (CAS 108-05-4); acrylonitrile (CAS 107-13-1); acetaldehyde (CAS 75-07-0); styrene (CAS 100-42-5); ethylbenzene (CAS 100-41-4); 1,3-butadiene (CAS 106-99-0); benzene (CAS 71-43-2); butyl methacrylate (CAS 97-88-1); methylmethacrylate (CAS 80-62-6); methyl acrylate (CAS 96-33-3); ethyl acrylate (CAS 140-88-5); butyl acrylate (CAS 141-32-2); ethyl methacrylate (CAS 97-63-2); monoethylenglycol (CAS 107-21-1); diethylenglycol (CAS 111-46-6); water (CAS 7732-18-5), 1-hexene (CAS 592-41-6); tetrahydrofuran (CAS 109-99-9); 1,4-butandiol (CAS 110-63-4); 1-octene (CAS 111-66-0)
A.15.2	Benzene (CAS 71-43-2); toluene (CAS 108-88-3); o,m,p-xylenes (CAS 95-47-6, 108-38-3, 106-42-3); ethylbenzene (CAS 100-41-4), styrene (CAS 100-42-5); trichloroethylene (CAS 79-01-6); tetrachloroethylene (CAS 127-18-4); chloroform (CAS 67-66-3); bromoform (CAS 75-25-2); dibromochloromethane (CAS 124-48-1); bromodichloromethane (CAS 75-27-4); p-dichlorobenzene (CAS 106-46-7); o-dichlorobenzene (CAS 95-50-1); 1,2-dichloroethane (CAS 107-06-2); ethylacetate (CAS 141-78-6); methanol (CAS 67-56-1); cyclohexanone (CAS 108-94-1); 2-methoxyethylacetate (CAS 110-49-6); 2-methoxyethanol (CAS 109-86-4); 2-ethoxyethylacetate (CAS 111-15-9); bis(2-methoxyethylether) (CAS 111-96-6); 2-methoxypropylacetate (CAS 70657-70-4); 3,5,5-trimethyl-2-cyclohexen-1-on (Isophoron, CAS 78-59-1); nitrobenzene (CAS 98-95-3); dichloromethane (CAS 75-09-2)
A.15.4	Diisononylphthalate (benzenedicarboxylic acid 1,2-diisononyl ester, CAS 28553-12-0); dibutylphthalate (CAS 84-74-2); butylbenzylphthalate (CAS 85-68-7); bis (2-ethyl)-hexylphthalate (CAS 117-81-7); di-n-octylphthalate (CAS 117-84-0); diisodecylphthalate (CAS 26761-40-0); n-octyl-n-decylphthalate (CAS 119-07-3); didecylphthalate (CAS 84-77-5); diisobutylphthalate (CAS 84-69-5); di-n-pentylphthalate (CAS 131-18-0); di-n-hexylphthalate (CAS 84-75-0); dicyclohexylphthalate (CAS 84-61-7); 1,2- (CAS 28553-12-0); 1,2-benzenedicarboxylic acid, di-C8-10 branched alkyl esters (CAS 68515-48-0)
A.15.5	2-ethyl-1-hexanol (CAS 104-76-7); oleamide (CAS 301-02-0); aniline (CAS 62-53-3), hydrocarbons with carbon number less than C25, DiPropylenGlycolMethylEther (DPGME, CAS 34590-94-8); nonylphenol (CAS 104-40-5); Tris(2,4-di-terc.butylphenyl)phosphite (Irgafos 168, CAS 31570-04-4); dimethylformamide (CAS 68-12-2); formamide (CAS 75-12-7); dimethyl fumarate (CAS 624-49-7); 9,9-bis(methoxymethyl)fluorene (CAS 182121-12-6)
A.15.11	Pentachlorophenol (CAS 87-86-5); 2,4-dichlorophenol (CAS 120-83-2); 2,4,6-trichlorophenol (CAS 88-06-2); 2,4,5-trichlorophenol (CAS 95-95-4)



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A.15.12	PCB Congeners: 18, 28, 52, 101, 118, 138, 153, 180
A 15.14	Naphtalene (CAS 90-21-3); acenaphtylene (CAS 208-96-8); acenaphtene (CAS 83-32-9); fluorene-1 (CAS 86-73-7); phenantrene (CAS 85-01-8); antracene (CAS 120-12-7); fluorantene (CAS 206-44-0); pyrene (CAS 129-00-0); benzo(a)antracene (CAS 56-55-3); chrysene (CAS 218-01-9); benzo(e)pyrene (CAS 192-97-2); benzo(j)fluorantene (CAS 205-82-3); benzo(b)fluorantene (CAS 205-99-2); benzo(k)fluorantene (CAS 207-08-9); benzo(a)pyrene (CAS 50-32-8); dibenzo(a,h)antracene (CAS 53-70-3); indeno(1,2,3-c,d)pyrene (CAS 193-39-5, benzo(g,h,i,)perylene CAS 191-24-2

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
F2, F8, P8, T1-T8, KU1, K1-K12, A1-A7, A8.1, A8.2, A9-A18

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

**Sampling:**

Ordinal number <sup>1</sup>	Sampling procedure / method name	Sampling procedure / method identification	Sampled object
V 1	Automatic sampling of waste water for the determination of effectiveness of small wastewater treatment systems	V-11-01 (ČSN ISO 5667–10)	Waste water

<sup>1</sup> if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

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**2. Physics and Mechanics Laboratory**

**Tests:**

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
<b>SHOES AND PERSONAL PROTECTIVE EQUIPMENTS TESTING</b>			
KU 2	Determination of resistance to high speed particles	ČSN EN 168, art. 9	PPE – shields, glasses
<b>PHYSICAL TESTS</b>			
<b>F 1</b>	<b>General physical characteristics of materials</b>		
F 1.1	Determination of density	ČSN ISO 2781 ISO 2781 ČSN EN ISO 1183-1, method A ČSN EN ISO 17855-1, art. 3.4.2	Plastics, rubber, products from there, plastic pipes and fittings
		ČSN 65 0342	Liquid chemical products
F 1.2	Determination of apparent density	ČSN EN ISO 845	Expanded plastics, rubber, thermal insulating products
F 1.3	Determination of apparent density	ČSN EN ISO 60	Plastics, loose materials
F 1.4	Determination of homogeneity of material	DVGW GW 335-A2, art. 5.2.3, 5.4.6 DVGW GW 335-B2, art. 5.2.3 ČSN ISO 18553+Amd.1, art. 4.1.1	Plastic pipes and adapting piece
<b>F 2</b>	<b>Viscosity characteristics</b>		
F 2.4	Determination of melt flow rate of thermoplastics	ČSN EN ISO 1133-1 DVGW GW 335-A2, art. 5.2.1, 5.4.8 DVGW GW 335-B2, art. 5.2.1, 5.4.7 DVGW W 534 (P), art. 10.2.4	Plastics, pipes, adapting pieces, plastic connectors
<b>F 3</b>	<b>Diffusion of liquids and gases</b>		
F 3.1	Water vapour permeability by gravimetric method.	ČSN 77 0332 ČSN EN ISO 12572, Annex C	Foils
F 3.2	Determination of gas permeability	DIN 53380-2	Plastics and rubbers

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F 3.3	Determination of water absorption	ČSN EN ISO 62 ČSN 64 5421	Plastics, expanded materials
<b>F 4</b>	<b>Resistance tests against liquids and other substances</b>		
F 4.1	Determination of dichloromethane resistance	ČSN EN ISO 9852	Pipes
F 4.2	Determination of resistance to effect of liquids	ČSN ISO 1817 F-18-41 (ČSN EN ISO 2812-3 ČSN EN ISO 2812-4) ČSN EN ISO 2812-3 ČSN EN ISO 2812-4 FLTM BI 168-01 TL 226, TA3, cl. 6.2 PV 3964 TL 52704, cl. 4.13 BMW AA-0053 TL 211, tab. 2 ČSN EN 60811-406, method B	Product from rubbers, plastics, vehicle parts
		ČSN EN 1120 ISO 10952	GRP pipes
F 5	Determination of electrical insulation properties by volt-ampere method	DVGW GW 335-B2, art. 5.4.4	Plastic adapting pieces
		ČSN EN 12477, art. 5.10 ČSN EN 1149-2 ČSN EN 1149-1 ČSN EN 1081, method A ISO 10965, method B	Textile, leather, products of them, footwear, PPE - protective clothing, floorings
		ČSN IEC 167: 1993 ČSN EN 62631-3-1 ČSN EN 62631-1 ČSN EN 62631-3-2	Plastics, rubber, textile, wood
<b>F 6</b>	<b>Determination of thermal properties</b>		
F 6.1	Determination of thermal properties by DSC method	ČSN EN ISO 11357-1 ČSN EN ISO 11357-2 ČSN EN ISO 11357-3 ISO 18373-1 ISO 18373-2	Plastics, rubbers
F 6.2	Determination of the limit of brittleness temperature	ČSN 62 1554	Product from rubbers

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F 6.3	Determination of thermo-oxidative stability	ČSN EN 728 DVGW GW 335-A2, art. 5.2.7 DVGW GW 335-B2, art. 5.2.7 ČSN EN ISO 11357-6	Plastics, plastic pipes, plastic connectors
F 6.4	Determination of Vicat softening temperature	ČSN EN ISO 306 ČSN ISO 2507-1 ČSN ISO 2507-2 ČSN EN ISO 2507-3 DVGW W 534 (P), art. 10.2.3	Plastics, plastic pipes, plastic connectors
F 6.5.	Determination of temperature of deflection under load	ČSN EN ISO 75-1 ČSN EN ISO 75-2 ČSN EN ISO 75-3	Plastics
F 6.6	Determination of thermal conductivity using non-stationary method	F-02-32 (Manual of ISOMET 2104)	Plastics, rubber, textile, building products
F 6.7	Determination of thermal resistance by means of guarded hot plate - stationary method	ČSN EN 12667 ISO 8302	Building materials and products
F 6.8	Determination of heat contact transmission	ČSN EN ISO 12127-1	Textile, leather, rubber, plastics, PPE - protective clothing
F 6.9	Thermogravimetric analysis (TGA)	PV 3927 ČSN EN ISO 11358-1	Rubber, plastics
<b>F 7</b>	<b>Determination of resistance against ageing</b>		
F 7.1	Test by accelerated thermal ageing in air	ČSN ISO 188 ČSN EN ISO 7840, art. 5.12 F-17-39 (ČSN ISO 188) DIN 53497 DIN 53508	Rubber and plastic products, vehicle parts
		ISO 12091 ČSN ISO 17484-1, Annex D DVGW W 534 (P), art. 10.2.9 ČSN EN ISO 2578	Structured-wall pipes

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F 7.2	Artificial aging test	ČSN EN ISO 4892-2 DVGW GW 335-A2, art. 5.2.6 DVGW GW 335-B2, art. 5.2.6 PV 1303 PV 3929 PV 3930 PV 1306 DIN 75220 F-15-38 (DVM -0006-EX- alternative method) DVM -0006-EX- alternative method MAN 3499-1, cl. 6.17 17.00-E-4761, cl. 5.11	Plastics (e.g. plastic products, pipes and fittings, PVC films and sheets, rubber, vehicle parts, surface finishes and coatings)
		ČSN EN ISO 20471, art. 5.2 ČSN EN 20105-A02 ČSN EN ISO 105-A03 ČSN EN ISO 105-A05 ČSN EN ISO 105-B02 ČSN EN ISO 105-B06	Textiles, PPE - protective clothing
		ČSN EN 168, art. 6 ČSN EN 1938, art. 5.7	PPE – protective glasses, frames of glasses
F 7.3	Natural aging test	ČSN 64 0245 ČSN EN ISO 877-1 ČSN EN ISO 877-2 ČSN EN ISO 16871	Products from plastic and rubber
F 7.4	Determination of ozone resistance	ČSN EN ISO 7326	Hoses
		DIN 7864-1, art. 5.14	Plastic sheets for waterproofing
		ČSN ISO 1431-1, except art. 11	Rubber products
F 7.5	Determination of resistance to climatic changes	PV 1200 PV 2005 GMW 15310, art. 4.3.4 F-18-40 (ČSN EN ISO 6270-2, ČSN EN ISO 1110, PV 1200, PV 2005, PR 303.5,	Rubber and plastic products, vehicle parts

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		PR 308.2, PSA D47 1309:2009, PSA D47 1165:2011, TPJLR 52.353:2008, TPJLR 52.351:2011, WSS-M15P4-F:2015, art. 3.3.1, WSS M99P32-C, art. 3.7, 3.8.1:2013, WSS M9P8-B:2009, art. 3.4.1 a 3.4.3 (TL 226)	
<b>F 8</b>	<b>Flammability of materials and products</b>		
F 8.1 to F 8.3	Reserved		
F 8.4	Determination of flame resistance	ČSN EN ISO 340	Conveyor belts
		ČSN EN 12983-1, Annex A	Cookware
F 8.5	Determination of resistance to ignition	ČSN EN ISO 3821, Annex A	Hoses
F 8.6	Determination of inflammability and time of spontaneous burning	ČSN EN ISO 3582	Rubber, plastics, foamed plastics
F 8.7	Determination of inflammability, cigarette flammability test	ČSN EN 1021-1 ČSN EN 597-1	Upholstered furniture, mattresses and beds
F 8.8	Determination of inflammability, safety match-flammability test	ČSN EN 1021-2 ČSN EN 597-2	Upholstered furniture, mattresses and beds
F 8.9	Determination of heat transmission on exposure to flame	ČSN EN ISO 9151, method B ISO 9151, method B	Textile, leather, rubber, plastics, protective clothing, PPE
F 8.10	Determination of materials inflammability	ČSN 64 0149	Flammable materials
F 8.11	Determination of flash point by Cleveland open cup method	ČSN EN ISO 2592	Petroleum products, chemicals
F 8.12	Ignitability of products subjected to direct impingement of flame - Single-flame source test	ČSN EN ISO 11925-2	Building products

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F 8.13	Test method for resistance to ignition	ČSN EN 168, art. 7 ČSN EN ISO 12311, art. 9.9	PPE – protective shields, glasses, visors
		ČSN EN 149+A1, art. 8.6 ČSN EN 136, art. 8.5.1 ČSN EN 13274-4, method 2, 3	PPE – face masks
F 8.14	Determination of burning rate	ČSN ISO 3795 DIN 75200 TL 1010 FMVSS 302 (49 CFR PART 571)	Materials used in car interiors
<b>F 9</b>	<b>Other tests</b>		
F 9.1	Determination of ash content, loss on ignition by gravimetric method	ISO 3451-2 ČSN EN ISO 3451-1 ČSN EN ISO 3451-4 ČSN EN ISO 1172	Plastics
F 9.2	Determination of colour coordinates, colour difference, gloss value	VW 50190 ČSN EN ISO 2813	Structural parts of vehicles, plastics, textile, varnished parts, paints and varnishes
F 9.3	Visual test of surface and material quality	ČSN EN 167, art. 5 ČSN EN 166, art. 7.1.3	PPE – eye-protection
F 9.4	Determination of volatiles content	ČSN EN 12099 DVGW GW 335-A2, art. 5.2.2 DVGW GW 335-B2, art. 5.2.2	Product from plastics
F 9.5	Fogging test – reflectometric method	DIN 75201, part A	Non-metallic products used in car interiors
F 9.6	Fogging test – gravimetric method	DIN 75201, part B PV 3015 (VW)	Non-metallic products used in car interiors
F 9.7	PE-X pipes degree of crosslinking	ČSN EN ISO 10147 DVGW W 534 (P), art. 10.2.5	Plastic pipes, adapting pieces and plastic connectors
<b>TESTING OF MECHANICAL PROPERTIES</b>			
<b>P 1</b>	<b>Strength characteristics</b>		
P 1.1	Determination of tensile properties	ČSN ISO 37 SN EN ISO 527-1 ČSN EN ISO 527-2	Rubber and plastic products, synthetic leathers, unvulcanised

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		ČSN EN ISO 527-3 ČSN EN ISO 527-4 ČSN EN ISO 527-5 ABNT NBR 15557, art. 5.1, 5.2, 5.5	rubber compounds, tyre tubes
		ČSN 26 0370, art. 60-71 ČSN EN ISO 283	Textile cord reinforced conveyor belts, tubular dams
		ČSN EN ISO 6259-1 ČSN ISO 6259-2 ČSN EN ISO 6259-3 DVGW GW 335-A2, art. 5.4.9 ČSN EN 1393 ISO 8513 ČSN EN 61386-1, ed. 2, part. 10.7 ČSN ISO 18488	Pipes
		ČSN ISO 18489	Pipes
		ČSN EN 14800, art. 5.7.2	Safety flexible wave metallic hoses
		ČSN EN 12814-6 ČSN EN 12814-7	Welded joints of half-finished products from thermoplastics
		ČSN EN ISO 13262	Thermoplastic wounded pipes
		ČSN 77 0140, art. 50-61	Welded joints of packaging materials
		ČSN EN 12814-2	Welded joints of thermoplastics
		ČSN ISO 13953 DVGW GW 335-B2, art. 5.5.6 DVGW GW 335-A2, art. 5.2.8 DVGW GW 335-B2, art. 5.2.8 DVS 2203-4	Welded joints of pipes
		ČSN EN ISO 1798	Cellular materials



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P 1.2	Testing of welded joints of thermoplastics	ČSN EN 12814-4 ČSN ISO 13955 ČSN ISO 13954 DVGW GW 335-B2, art. 5.5.3 ČSN ISO 13956	Welded joints
P 1.3	Test method for resistance to pull-out under constant longitudinal force	ČSN EN ISO 3501 DVGW W 534 (P), art. 12.11 ČSN ISO 17484-1, Annex G QV 17006, art. 5.3.3.1	Joints of pipes
P 1.4	Initial apparent circumferential tensile strength of GRP pipes	ČSN EN 1394, method A, B ČSN ISO 8521, method A	Plastic piping GRP systems, joints of pipes
P 1.5	Determination of compression properties	ČSN EN ISO 604 ČSN EN 14404+A1, art. 6.6	Rubber and plastic products, PPE – knee protectors
		ČSN EN ISO 13968 ČSN EN ISO 9969 ČSN ISO 13966 ČSN EN 1228 ČSN EN 14982+A1 ČSN EN ISO 13967 ČSN EN 61386-24, art. 10.2 ČSN ISO 7685 ČSN ISO 10466 ČSN EN 61386-1, ed. 2, art. 10.2 ČSN EN 61386-22, art. 10.2	Plastic pipes fittings thermoplastic
		ČSN EN 14800, art. 5.19.2.2	Safety flexible wave metallic hoses
		ČSN EN 802 ČSN ISO 17484-1, Annex H	Injection moulded fittings, multilayer pipe systems
		ČSN EN 1253-2, art. 5.3 ČSN EN 1253-1, art. 5.6	Gully tops and manhole tops
		ČSN EN ISO 844 ČSN EN ISO 2439 ČSN EN ISO 3386-1 ČSN EN ISO 3386-2	Cellular materials

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P 1.6	Determination of adhesion between components during separation	ABNT NBR 15557, art. 5.6	Textile reinforced rubber products, rubber/metallic products, synthetic leathers, tyre casings and tubes
		ČSN 26 0370, art. 76-84 ČSN EN ISO 252	Textile cord reinforced conveyor belts
		ČSN ISO 17484-1, Annex E ČSN ISO 17454	Multilayer pipe systems
		ČSN EN ISO 3821, art. 9.3.7.2 ČSN EN ISO 7840, art. 5.14 ČSN EN ISO 8033	Twin hoses, hoses
P 1.7	Determination of bending/flexural characteristics	ČSN EN 12814-1	Welded joints of thermoplastics
		ČSN EN ISO 178 ČSN EN ISO 14125 ČSN EN ISO 899-2 ČSN EN 978 ČSN EN ISO 11296-4, Annex C	Plastic products, fibre reinforced plastic composites
		ČSN EN ISO 10619-1, method A1	Hoses
P 1.8	Determination of flexibility at low temperature	ČSN EN ISO 10619-2, method B ČSN EN ISO 7840, art. 5.10	Hoses
		ČSN 26 0370, art. 44-49	Textile cord reinforced conveyor belts
P 1.9	Determination of flexibility	ČSN EN 14800, art. 5.13	Safety flexible wave metallic hoses
P 1.10	Determination of shear strength	DVGW W 534 (P), art. 12.13 ČSN EN ISO 9311-2	Glued joints from PVC
P 1.11	Determination of tear strength	ČSN ISO 34-1 ABNT NBR 15557, art. 5.3	Rubber products tyre tubes
		ČSN EN ISO 6383-1	Plastic sheets

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<b>P 2</b>	<b>Long-term static testing</b>		
P 2.1	Determination of compression set	ČSN EN ISO 1856 ČSN ISO 815-1 ČSN ISO 815-2	Cellular materials, sealing profiles, rubber products, cork products
P 2.2	Determination of permanent deformation in tension	ČSN ISO 2285, art. 3.1 ISO 2285, art. 3.1 ABNT NBR 15557, art. 5.4	Rubber products tyre tubes
P 2.3	Determination of wet creep factor and calculation of the long-term ring stiffness	ČSN ISO 10468+Amd.1	Pipes, GRP pipes
P 2.4	Creep factor determination under dry conditions	ČSN EN 761	GRP pipes
P 2.5	Creep ratio determination	ČSN EN ISO 9967	Plastic pipes
P 2.6	Tensile creep test	ČSN EN 12814-3	Welded joints of thermoplastics
P 2.7	Determination of the long-term limited ring flexibility	ČSN ISO 10471	GRP pipes
P 2.8	Determination of compressive creep	ČSN EN 1606	Cellular materials
P 2.9	Resistance to slow crack growth (cone test method)	ISO 13480 ČSN ISO 17484-1, Annex B	Piping systems
P 2.10	Determination of stress relaxation	ČSN ISO 3384-1	Rubber materials
<b>P 3</b>	<b>Impact and impulse tests</b>		
P 3.1	Determination of impact strength CHARPY and IZOD	ČSN EN ISO 179-1 ČSN EN ISO 180 ČSN ISO 9854-1 ČSN ISO 9854-2	Plastics products
P 3.2	Determination of impact resistance by falling weight, ball drop test	ČSN EN 477 ČSN EN ISO 3127	Window's and door's PVC profiles, plastic pipes
		ČSN EN ISO 13263	Thermoplastic fittings
		ČSN ISO 17484-1, Annex I ČSN EN ISO 11173 ČSN EN 61386-24, art. 10.3 ČSN EN 61386-1, ed. 2, art. 10.3	Plastic pipes and fittings

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		ČSN EN 14800, art. 5.17	Safety flexible wave metallic hoses
		PV 3966 PV 3905	Vehicle parts
		ČSN EN ISO 7765-1	Plastic films and packaging materials
		ČSN EN 1705 ČSN EN 1716 DVGW GW 335-B2, art. 5.5.4	Plastic valves
<b>P 4</b>	Reserved		
<b>P 5</b>	<b>Compression tests (overpressure, underpressure)</b>		
P 5.1	Determination of long-term leak tightness of socket joints	ČSN EN ISO 13846	Piping system
P 5.2.	Determination of tightness and functionality of antiflooding devices	ČSN EN 13564-2, art. 3.1-3.4	Antiflooding devices
P 5.3	Internal pressure test	PTACPDS-02, art. 12.2.4 TSB 5501G, art. 6.2.10, 6.2.12, 6.2.13 DIN 73411-2, art. 3.12 TL 680, art. 5.7.1, 5.7.2 TL 523 61, art. 5.8.1, 5.8.2 TL 822 07, art. 4.2.1, 5, 6, 7.1 ČSN EN 14800, art. 5.3.2, 5.4.2 ČSN EN ISO 1402	Cooling hoses and elbows, cooling and fuel hoses, couplings, feeds, snap (quick-connect) couplings, safety flexible wave metallic hoses
P 5.4	Determination of joints leakage under bending	ČSN EN ISO 3503 DVGW W 534 (P), art. 12.12 ČSN ISO 17484-1, Annex K	Pipes and fittings
P 5.5	Constant internal pressure resistance determination	ČSN EN ISO 1167-1 ČSN EN ISO 1167-2 DVGW GW 335-A2, art. 5.2.11, 5.4.7 DVGW GW 335-B2, art. 5.2.11, 5.5.2 DVGW W 534 (P), art. 12.10, 12.14	Plastic pipes and fittings

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		ČSN ISO 17484-1, Annex C QV 17006, art. 5.2.1	
P 5.6	Leak tightness at constant internal hydrostatic pressure without axial loading	ČSN EN ISO 13783	Pipes and fittings with elastomeric sealing rings, glued joints
P 5.7	Leak tightness at constant internal pressure	ČSN EN ISO 3458 DVGW W 534 (P), art. 12.3	Axially loaded pipe joints
P 5.8	Reserved		
P 5.9	Determination of resistance to internal overpressure after denting	ČSN EN 12106	Pipes
P 5.10	Leakage test under bending and internal pressure	ČSN EN ISO 13783	PVC-U pressure fittings
P 5.11	Long-term hydrostatic strength	ČSN EN 1447+A1	Plastic piping GRP systems
P 5.12	Reserved		
P 5.13	Hydrostatic strength and tightness of seat and packaging	ČSN EN 917 ISO 9393-1 ISO 9393-2	Plastic valves
P 5.14	Determination of leak tightness of pipe socket connections under negative air pressure	ČSN EN ISO 13844	Piping systems
P 5.15	Determination of resistance to negative air pressure	ČSN EN ISO 7233, method A, C	Hoses
P 5.16	Vacuum leakage test	ČSN EN 12294 ČSN EN ISO 13056 DVGW W 534 (P), art. 12.4	Plastic piping systems
P 5.17	Tightness and strength tests	TL 524 35 TL 524 39 TL 822 53 GME 60 223	Fuel hoses including joints
P 5.18	Joint leakage tightness test	ČSN EN ISO 13259 ČSN EN 274-1 ČSN EN 274-2 ČSN EN 274-3	Tubes, fittings and their assemblies
P 5.19	Determination of valve tightness	ISO 5208 QV 17004, art. 3.2.4	Piping systems

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P 5.20	Leakage test under external hydrostatic pressure	ČSN EN ISO 3459	Joints with elastomeric sealing rings, mechanical joints
P 5.21	Water tightness test	ČSN EN ISO 13254 ČSN ISO 17484-1, Annex J	Thermoplastic pipe systems for non-pressure applications
P 5.22	Air tightness test	ČSN EN 1054 ČSN EN ISO 13255 ČSN ISO 17484-1, Annex F	Thermoplastic pipe systems for wastewater and sewage applications
P 5.23	Leakage test of valves before and after bending	ČSN EN 1680 ČSN EN 12100	Thermoplastic valves
P 5.24	Resistance of joints against pressure cycling	ČSN EN 12295 ČSN EN ISO 19892 DVGW W 534 (P), art. 12.5 ČSN ISO 15306+Amd.1	Plastic piping systems
P 5.25	Vibrational test	Techapter rules GAS No. 001 DVGW W 534 (P), art. 12.7, 12.9	Plastic mechanical joints
P 5.26	Notch pipe test (slow crack growth )	ČSN EN ISO 13479 DVGW GW 335-A2, art. 5.2.9 DVGW GW 335-B2, art. 5.2.9	Polyolefine pipes
P 5.27	Determination of short-term leak tightness of pipe socket joints	ČSN EN ISO 13845	Piping systems
<b>P 6</b>	<b>Determination of hardness</b>		
P 6.1	Determination of IRHD hardness	ČSN ISO 48-2	Rubber products
P 6.2	Determination of Shore A, D hardness	ČSN EN ISO 868 ČSN ISO 48-4	Rubber products
P 6.3	Determination of ball indentation hardness	ČSN EN ISO 2039-1	Plastics products
P 6.4	Determination of Barcol hardness	ČSN EN 59	Fiberglass reinforced plastics

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<b>P 7</b>	<b>Measurement of geometrical quantities</b>		
P 7.1	Measurement of dimensions	ČSN ISO 23529, art. 9	Rubber and plastics products
		ČSN 26 0370, art. 17-22 ČSN EN ISO 583	Textile cord reinforced conveyor belts, tubular dams
		ČSN EN ISO 4671	Hoses
		ČSN EN ISO 3126 DVGW GW 335-A2, art. 5.4.4 DVGW GW 335-B2, art. 5.4.6	Plastic pipes and fittings
		ČSN 64 0181	Plastic films
P 7.2	Dimensional stability	ČSN EN ISO 2505 DVGW GW 335-A2, art. 5.4.5 DVGW W 534 (P), art. 10.2.2 ČSN EN 1555-2, art. 6.4	Plastic pipes and fittings, joints and connectors
		ČSN 64 0610	Plastic films
		ČSN EN 175, art. 8.5	PPE – protective shields
<b>P 8</b>	<b>Testing of products and systems for children</b>		
P 8.1	Mechanical and physical properties of toys - Small parts cylinder - Torque test - Tensile test - Drop test - Tip over test - Impact test - Compression test - Soaking test - Accessibility of a parts or components - Sharpness of edges - Sharpness of points - Flexibility of wires - Expanding (swelling) materials - Leakage of liquid filled toys	ČSN EN 71-1+A1  art. 8.2 art. 8.3 art. 8.4 art. 8.5 art. 8.6 art. 8.7 art. 8.8 art. 8.9 art. 8.10  art. 8.11 art. 8.12 art. 8.13 art. 8.14 art. 8.15	Toys

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
	- Geometric form of certain toys	art. 8.16	
	- Durability of toys operated by mouth	art. 8.17	
	- Folding or sliding mechanism	art. 8.18	
	- Cord thickness	art. 8.20	
	- Static strength	art. 8.21	
	- Stability	art. 8.23	
	- Determination of kinetic energy	art. 8.24	
	- Determination of stopping power	art. 8.26	
	- Determination of strength of handle bars of child scooters	art. 8.27	
	- Determination of speed of electrical toys	art. 8.29	
	- Rise of temperature measurement	art. 8.30	
	- Covers of toy boxes	art. 8.31	
	- Small spheres test	art. 8.32	
	- Toy figure test	art. 8.33	
	- Tension test for magnets	art. 8.34	
	- Determination of the perimeter of ropes and chains	art. 8.36	
	- Yo-yo balls measurements	art. 8.37	
	- Breakaway feature separation test	art. 8.38	
	- Test of self-retracting cords	art. 8.39	
	- Determination of the length of ropes, chains and el. cords	art. 8.40	



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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 8.2	Mechanical and physical properties of toys - Test for small particles in cylinder - Drop test - Tip over test - Torque test - Tensile test - Compression test - Accessibility of a parts or components - Sharpness of edges - Flexibility of wires - Geometric form of certain toys - Determination of kinetic energy - Static strength and stability - Destructive test - Testing of wheels and axles - Durability of toys put into action by mouth	ASTM F 963  art. 4.6,1.7  art. 8.7.1 art. 8.7.2 art. 8.8 art. 8.9 art. 8.10.1 art. 3.1.2, 4.18  art. 4.7 art. 8.12 art. 4.22, 4.23, 4.24  art. 4.21.1.3, 8.14  art. 4.15, 8.15  art. 8.6 art. 8.11  art. 8.13	Toys
P 8.3	Testing of activity toys - Stability - Determination of static strength - Determination of dynamic strength - Test of gripping - Olivet test - Slide test - Diameter of ropes and chains for swings - Determination of shock by rocker elements - Paddling test	ČSN EN 71-8 art. 6.2 art. 6.3  art. 6.4  art. 6.5 art. 6.6 art. 6.7 art. 6.8  art. 6.9  art. 6.10	Activity toys

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 8.4	Testing of mechanical properties of drinking equipment - Test for small particles in cylinder - Determination of the tear strength - Volume accuracy test - Thermal shock test - Control test for geometric shape - Test of reliability of attachment of protruding parts - Bending test	ČSN EN 14350-1  art. 5.3  art. 6.3  art. 6.4 art. 6.5 art. 6.6  art. 6.7  art. 6.8	Drinking equipment
P 8.5	Testing of mechanical properties of baby carriers	ČSN EN 13209-2, art. 8 CEN/TR 16512, Annex A.3 to A.7	Baby carriers
P 8.6	Testing of mechanical properties of dummies - Construction parameters - Impact resistance test - Tear strength test - holding strength of knobs, plugs or caps - Bite resistance - Integrity tests	ČSN EN 1400+A2  art. 8 art. 9.1 art. 9.3 art. 9.4  art. 6.5 art. 6.7	Dummies
P 8.7	Testing of mechanical properties of trampolines - dynamic tests - strength test - stability test - assembly test - durability test  - mat deflection test	ČSN EN 71-14  art. 7.1 art. 7.2 art. 7.3 art. 7.4 art. 7.5, ČSN EN ISO 4892-3, method A art. 7.6	Home trampolines, test specimens of non-metallic parts of trampolines
P 8.8	Mechanical tests of soother holders	ČSN EN 12586+A1, art. 6.1	Soother holders
P 8.9	Mechanical tests of baby coaches	ČSN EN 1888-1, Chapter 8	Baby coaches
P 8.10	Mechanical tests of the baby changing table	ČSN EN 12221-2+A1, art. 5.3-5.7, 5.10-5.12	Baby changing table

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 8.11	Determination of dynamic strength of harnesses	ČSN EN 13210, art. 7.2	Child harnesses
P 8.12	Mechanical tests of the children's fender	ČSN EN 12227, art. 8.1.4, 8.2, 8.3, 8.4, 8.6	Children's fender
P 8.13	Reserved		
P 8.14*	Determination of critical height of fall (HIC)	ČSN EN 1177	Playground equipment
P 8.15	Tests of inflatable play equipment - determination of touch with the substrate - test of gripping - determination of strength in subsequent tearing	ČSN EN 14960  Annex C  Annex D Annex E	Inflatable play equipment
P 8.16*	Practical test of slides	ČSN EN 1069-1+A1, art. 9.3	Water slides
P 8.17	Stability testing of high chairs for children	ČSN EN 14988+A1, art. 8	High chairs for children
<b>P 9</b>	<b>Piping systems and their components – special tests</b>		
P 9.1	Determination of memory effect	ČSN EN ISO 11298-3 Annex A	Piping system
P 9.2	Resistance of joint to damage by torque	ISO 17885	Piping system
P 9.3	Flow rate determination	ČSN EN 14800, art. 5.5.2	Safety flexible wave metallic hoses
P 9.4	Test flexibility at lower temperature	ČSN EN 61386-24, art. 10.4 ČSN EN 61386-22, art. 10.4	Piping system
P 9.5	Appearance changes after heating	ČSN EN ISO 580	Pipes and fittings
P 9.6	Determination of resistance to elevated temperature cycles	ČSN EN ISO 13257 ČSN EN 607 ČSN 13 7200 ČSN EN 274 -2, art. 3 ČSN EN 1253-2, art. 5.9 ČSN EN 1253-1, art. 5.5	Drain pipes, gutters, gully tops and manhole tops
P 9.7	Valves resistance against elevated temperature cycling	ČSN EN 1704	Plastic valves
P 9.8	Resistance against temperature cycling determination	ČSN EN 12119	PE valves

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 9.9	Test of resistance of mounted assemblies	ČSN EN 12293 ČSN EN ISO 19893 DVGW W 534 (P), art.12.6	Plastic piping systems
P 9.10	Torque moment determination	ČSN EN 28233 GMW 15310, art. 3.2.1.2	Thermoplastic fittings
P 9.11	Determination of resistance against cyclic bending	ČSN EN ISO 13264	Plastic fittings
P 9.12	Determination of endurance joint against turn	DVGW W 534 (P), art. 12.8	Plastic joints and connectors
P 9.13	Flow rate and pressure drop relation	ČSN EN ISO 17778 DVGW GW 335-B2, art. 5.4.9	Fittings, valves
<b>P 10</b>	<b>Products of rubbers and plastics – special tests</b>		
P 10.1	Determination of resistance to abrasion on the rotary drum machine	ČSN 62 1466 ISO 4649	Rubber products
P 10.2	Determination of the coefficients of friction	ČSN EN ISO 8295	Plastic films and packaging materials
P 10.3	Testing of welded joints of thermoplastics – Macroscopic examination	ČSN EN 12814-5	Welded joints
P 10.4	Determination of MAR resistance (machine guided, hand made)	F-19-42 (PV 3987 PV 3974 TPJLR.52.010 PV 3952 PV 3906) F-149-43 (Erichsen pen - TL 226, p. 3; Hand made MAR Resistance - CN 27635, p. 6.5)	Plastic products with/without surface treatment
P 10.5	Chemical stability testing (evaluation of gelatinization)	ČSN EN 751-1, art. 7.1.2	Anaerobic jointing compounds, non-hardening jointing compounds
P 10.6	Testing of sealing material after assembly	ČSN EN 751-1, art. 7.2 ČSN EN 751-2, art. 7.2 ČSN EN 751-3, art. 7.2	Sealing materials

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
<b>P 11</b>	<b>Sanitary technology – special tests</b>		
P 11.1	Hydraulic properties of sanitary fittings	ČSN EN 274-1, Annex A ČSN EN 274-2, art. 4, 5, 6 ČSN EN 1253-2, art. 5.5 ČSN EN 1253-1, art. 5.9 ČSN EN 1253-4	Sanitary products, baths, sinks, gully tops and manhole tops, caps
P 11.2	Determination of operating characteristics of sanitary appliances	ČSN EN 817 ČSN EN 1286 ČSN EN 200 ČSN EN 1111, art. 12.2, 12.3, 12.4, 12.5	Sanitary products, baths, sinks, valves, mixing batteries, thermostatic mixing machines
P 11.3*	Discharge equipment test, leak test, efficiency and heat resistance	ČSN EN 12050-1, ed. 2, art. 5 ČSN EN 12050-2, ed. 2, art. 5 ČSN EN 12050-3, ed. 2, art. 5 ČSN EN 12050-4, ed. 2, art. 5	Waste water lifting plants
P 11.4	Drop test and air tightness of air admittance valves	ČSN EN 12380, art. 6.2, 6.3	Air admittance valves
P 11.5	Testing of flushing cisterns - Determination of the full flush volume - Determination of the flush volume for water-saving devices - Determination of overflow capacity - Inlet valve opening characteristics - Determination of dimension “c” - Determination of dimension “a” - Outlet valve leak tightness - Outlet valve reliability test - Determination of the operating force - Determination of impact force	ČSN EN 14055 art. 5.3.2.2 art. 5.3.2.3 art. 5.3.4 art. 5.3.5 art. 5.3.6 art. 5.3.7 art. 5.3.8 art. 5.3.9 art. 5.3.10 art. 5.3.11	WC and urinal flushing cisterns
P 11.6	Inlet valve tightness test	ČSN EN 12541, art. 8.2	WC flushing cisterns

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P 11.7	Inlet valve pressure resistance	ČSN EN 12541, art. 9.2	WC flushing cisterns
P 11.8	Sink testing - Determination of water drainage capacity - Determination of resistance to temperature changes - Determination of resistance to chemicals - Determination of resistance to abrasion - Load stability - Flow rate of overflow	ČSN EN 13310+A1 art. 5.2 art. 5.4 art. 5.5 art. 5.7 art. 5.8 art. 5.9	Kitchen sinks
P 11.9	WC pans testing - Load test - Determination of water leak tightness - Reliability of discharge valve	ČSN EN 997 art. 5.7.4 art. 5.7.5.2 art. 5.7.5.4	WC pans
P 11.10	Technical properties testing of shower screen - Cleanability - Resistance to corrosion - Impact resistance/shatter properties - Impact behaviour of plastic sheets - Resistance to chemicals and stains - Resistance to wet and dry cycling - Opening/closing resistance - Stability - Water retention	ČSN EN 14428+A1 art. 4.2 art. 4.4.2 art. 5.1, ČSN EN 12150-1+A1, art. 8, art. 5.2 art. 5.3 art. 5.4 art. 5.5 art. 5.6 art. 5.7	Shower screen
P 11.11	Technical properties testing of bath for shower bath - Cleanability - Stability of the bottom - Chemical resistance - Resistance to temperature changes	ČSN EN 14527+A1 art. 6.2 art. 8.1 art. 8.2 art 8.3	Bath for shower bath

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 11.12	Technical properties testing of whirlpool baths - Temperature test - Maximum pressure test - Leakage test - Structure: residual volume test - Resistance to hair entrapment	ČSN EN 12764+A1  art. 6.1 art. 6.2 art. 6.3 ČSN EN 60335-2-60, ed.2, art. 22.102 art. 22.103	Whirlpool baths
P 11.13	Technical properties testing of basins - Static loading test - Draining of water - Resistance to temperature changes - Resistance to chemicals and stains - Resistance to indentation - Cleanability - Determination of flow rate of overflow	ČSN EN 14688+A1  art. 5.2 art. 5.3 art. 5.4  art. 5.5  art. 5.6 art. 5.8 art. 5.9	Basins
P 11.14	Technical properties testing of bidets - Connecting dimensions - Static loading test - Cleanability	ČSN EN 14528+A1  art. 4.1 art. 5.2 art. 5.3	Bidets
P 11.15	Technical properties testing of wall urinals - Determination of depth of water seal - Wood sawdust test - Test by flushing of 3 plastic balls - Splashing test - Draining test - Water absorption test - Loading test - Determination of depth of water seal - Cleanability	ČSN EN 13407+A1  art. 6.6.1.2  art. 6.6.1.3.1 art. 6.6.1.3.2  art. 6.6.1.3.3 art. 6.6.1.3.4  art. 6.6.2 art. 6.6.3 art. 7.5.1  art. 7.5.2	Wall urinals

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 11.16	Determination of physico-chemical properties of baths	ČSN EN 14516+A1, art. 5.2, 6.2, 8 ČSN EN 263 ČSN EN ISO 62	Baths
P 11.17	Tests of sanitary valves - tensile test and torsion test - test of protection against backflow - teak test - flow filling valve test - reopening filling valve test - measurement of pressure impact - immunity test pressure - long-term durability	ČSN EN 14124 art. 7.2 art. 7.3  art. 7.4 art. 7.5 art. 7.6 art. 7.7  art. 7.8 art. 7.9	Inlet valves for flushing cisterns
<b>P 12</b>	<b>Medical device testing</b>		
<b>P 12</b>	<b>Medical device testing</b>		
P 12.1	Determination of functional and dimensional characteristics of syringes	ČSN EN ISO 7886-1, Annex C	Medical devices – syringes
P 12.2	Reserved		
P 12.3	Condoms testing - Heat resistance - Measurement of dimensions - Determination of bursting volume and pressure	ČSN EN ISO 4074, ed. 2 Annex I Annex D, E, F  Annex H	Condoms
P 12.4	Reserved		
P 12.5	Testing of medical face masks - Determination of breathability (differential pressure) - construction and design	ČSN EN 14683+AC, Annex C P-20-25 (ČSN EN 14683+AC, art. 5.1)	Medical face masks
P 12.6	Determination of resistance against penetration by synthetic blood	ISO 22609	Medical face masks
<b>P 13</b>	<b>Testing of other products</b>		
P 13.1	Testing of furniture - Static loading test	ČSN EN 1728, art. 6, 7	Seating furniture
P 13.2	Determination of resistance	ČSN EN ISO 7854,	Coated fabrics



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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
	to damage by flexing by Schildknecht method	method B	
P 13.3	Cross-cut test	ČSN EN ISO 2409	Paints and varnishes
P 13.4	Reserved		
P 13.5	Reserved		
P 13.6	Floorball equipment testing	Material regulations SPCR 011, art. 2, Annex 1	Sticks, balls, goal cages, boards, masks
P 13.7	Determination of physical and mechanical properties of tanks	ČSN EN 13341+A1, Annex B1-B8	Stable thermoplastic tanks
P 13.8	Testing of cookware - Heat resistance test of accessories - Distortion resistance test - Bending strength test - Fatigue resistance test of handle - Test of enamel to aluminium bond strength - Stain resistance of anodic oxide coats - Pour out (emptying) test - Stability of base under heat shock - The test of insulating characteristic	ČSN EN 12983-1 art. 5, 7.3, Annex B  Annex C Annex D Annex E  Annex G  Annex H  Annex L Annex M  Annex F	Domestic cookware for use on top of a stove, cooker or hob
P 13.9	Domestic pressure cookers testing - Bottom deviation - Volume measurement - Pressure regulator verification - Pressure gauge verification - Safety device verification - Tests related to pressure resistance - The test of insulating characteristic - The opening test	ČSN EN 12778  art. 5.3.2 art. 5.3.5 art. 5.5.2  art. 5.5.3  art. 5.5.4 art. 5.7  art. 5.4.2  art. 5.5.6	Domestic pressure cookers
P 13.10	Reserved		

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 13.11	Testing of physical and mechanical properties of gully tops and manhole tops - measurement of design parameters - fatigue test - test of permanent deformation - test of load bearing capacity - test of deformation under force - determination of resistance to automotive fuels	ČSN EN 124-1 art. 8.4, 8.5 (except 8.4.13) ČSN EN 124-5, art. 6.3 ČSN EN 124-1:2015, art. 8.2 ČSN EN 124-1:2015, art. 8.3 ČSN EN 124-3:2015, art. 6.2 ČSN EN 124-5:2015, art. 4.3.4	Gully tops and manhole tops – cast iron, fibreglass, plastic, reinforced-concrete, concrete
P 13.12*	Testing of small wastewater treatment systems - determination of durability - determination of watertightness - determination of effectiveness of cleaning	ČSN EN 12566-3, art. 4.5 art. 4.4, Annex A.2 art. 4.3, Annex B	Small wastewater treatment systems
P 13.13	Determination of resistance to penetration - air penetration test - water penetration test	ČSN EN ISO 374-2 art. 7.2 art. 7.3	Protective gloves against chemicals and micro-organisms
P 13.14	Testing of fume cupboards	ČSN EN 14175-3 ČSN EN 14175-6, art. 5.3, 5.4	fume cupboards
P 13.15	Determination of puck impact resistance	Material regulations SPCR011, art. 5.6.3	PPE – protective facial shields for sport
P 13.16	Determination of strength of attachment	ČSN EN 1078+A1, art. 5.5	PPE - chinstraps of helmets
P 13.17	Determination of strength of attachment	ČSN EN 1078+A1, art. 5.6 ČSN EN 1384, art. 5.11 ČSN EN 13087-4 ČSN EN 1385, art. 7.8 ČSN EN 12492, art. 5.8 ČSN EN ISO 10256-2, art. 5.8	PPE - chinstraps of helmets

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 13.18	Determination of field of vision	ČSN EN 13087-6 ČSN EN 966+A1, art. 7.4 ČSN EN ISO 10256-2, Annex C ČSN EN 1077, art. 5.3 ČSN EN 1078+A1, art. 5.7 ČSN EN 1080, art. 5.6 ČSN EN 13484, art. 5.5 ČSN EN 13781, art. 4.6 ČSN EN 168, art. 18 ČSN EN 1938, art. 5.3 ČSN EN 174, art. 6.2	PPE – helmets PPE – eye-protection
P 13.19	Resistance against impact	ČSN EN ISO 10256-3, art. 6.8 ČSN EN ISO 10256-4, art. 5.7	PPE - helmets
P 13.20	Determination of weight	ČSN EN ISO 10256-3, art. 6.3 ČSN EN 1077, art. 5.2 ČSN EN 1080, art. 5.2	PPE – sport helmets
P 13.21	Determination of resistance to penetration of an object	ČSN EN ISO 10256-2, art. 5.6 ČSN EN ISO 10256-4, art. 5.5	PPE – sport helmets
P 13.22	Determination of protective properties - Determination of a protected area of a face - determination of protection against drops and splashes of liquids	ČSN EN 168  art. 10.2  art. 12	PPE – personal eye-protection
P 13.23	Determination of resistance to penetration by a spray of liquid (spray test) after a practical test by wearing	ČSN EN ISO 17491-4 ČSN EN 13034+A1, art. 5.2 ČSN EN 14605+A1, art. 4.3.4	PPE – protective clothing
P 13.24	Determination of resistance to penetration by a jet of liquid (jet test) after a practical test by wearing	ČSN EN ISO 17491-3 ČSN EN 14605+A1, art. 4.3.4	PPE – protective clothing

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
P 13.25*	Measurement of sound pressure level	ČSN ISO 1996-1 ČSN ISO 1996-2 MoH CR Bulletin, 4/2013, Part 4 <sup>3)</sup> MoH CR Bulletin, 11/2017, Part 1 <sup>3)</sup>	Workplace and non-workplace environment (outdoor and indoor environment, service equipment in buildings)

<sup>1</sup> asterisk at the ordinal number identifies the tests carried out outside/also outside the Laboratory premises

<sup>2</sup> if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

<sup>3</sup> Guideline for the measurement and evaluation of noise in non-workplace environment

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
KU2, F1-F9, P1-P3, P5-P13

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

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**3. Analytical and Mechanics Laboratory**

**Tests:**

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
AT 1	Identification of organic substances using FTIR spectrometry	A-96-37 (ASTM D 2621, ČSN ISO 4650)	Plastics, rubbers
AT 2	Determination of primary aromatic amines content by spectrophotometry	A-07-69 (ČSN EN ISO 13130-1, ČSN 62 1156)	Utensils
AT 3	Reserved		
AT 4	Reserved		
AT 5	Determination of corrosion resistance in saline solution visually	A-07-77 (ČSN EN ISO 8442-1, ČSN EN ISO 8442-2)	Metal products
AT 6	Determination of sudden temperature change	ČSN EN 1183, method B	Ceramics
AT 7	Determination of mechanical immunity in washing-up machine	A-08-80 (ČSN EN ISO 12875-1, ČSN EN ISO 12875-2)	Dishes
AT 8	Corrosive tests in artificial atmosphere - NSS test	ČSN EN ISO 9227	Dishes
AT 9	XRF identification and quantitative determination of components by spectrometry <sup>3)</sup>	A-08-86 (manual Shimadzu, Elvatech)	Products intended for contact with food
AT 10	Identification of additives by TD-GC-MS method	A-07-71, part B (VDA 278, PB VWL 709)	Products intended for contact with food
AT 11	Determination of formaldehyde by spectrophotometry	A-08-81 (ČSN EN ISO 14184-1, ČSN EN ISO 13130-1)	Food simulants, water extracts
AT 12	Determination of aromatic substances by spectrophotometry	A-08-82 (ČSN EN ISO 13130-1, AHM 13/1982)	Food simulants, water extracts
AT 13	Determination of the volatiles content by gravimetry	A-05-57 (LMBG, BII, XV, 12.Mitteilung zur Untersuchung von Kunststoffen: Bundesgesundheitsblatt 11, 56 (1968))	Silicone elastomers

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Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested object
AT 14	Total migration to aqueous, alcoholic and substitute fat simulants of food, determination of evaporation residue by gravimetry	ČSN 62 1156, art. 12 ČSN EN 1186-1 ČSN EN 1186-3 ČSN EN 1186-5 ČSN EN 1186-9 ČSN EN 1186-14 D.M. 21-03-1973, Annex IV, part I, ch I. – IV A, B	Rubbers, plastics, elastomers, consumer goods (PBU) and materials for their production, packaging
AT 15	Determination of volatile organic substances adsorbed on Tenax by method GC-MS, FID	ISO 16000-6	Internal air (absorption tubes)

<sup>1</sup> asterisk at the ordinal number identifies the tests carried out outside/also outside the Laboratory premises

<sup>2</sup> if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

<sup>3</sup> the following table lists the determined parameters

Ordinal number	Determined parameters
AT 9	Ti, V, Cr, Mn, Fe, Ta, Co, Ni, Cu, Zn, Ag, Au, Mo, Hg, W, Pb, Sn, As, Ba, Cd, Hg, Pb, Se, Sb, Br

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
AT1, AT2, AT5-AT15

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

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**Abbreviations:**

AA-xxxx	BMW standard
AAS	Atomic absorption spectroscopy
A-96-37	Example of identification of ITC's internal test procedures (IZP)
ABNT NBR	Brazil Standard
AHEM	Acta Hygienica Epidemiologica et Microbiologica
ASTM	US technical standard
BMW PR	BMW standard
BS	British technical standard
CEC	Co-ordinating European Council
CPSC	Commission regulation for the safety of U.S. products (Consumer Product Safety Commission)
Phar. Boh.	Czech Pharmacopeia
Phar. Boh., chap. 3 <sup>e)</sup>	Includes selected chs from the Czech Pharmacopeia – chapter 3.1.1.1; 3.1.1.2; 3.1.3; 3.1.4; 3.1.5; 3.1.6; 3.1.7; 3.1.8; 3.1.9; 3.1.14; 3.1.15
ČSN P ENV	Preliminary standard
DBL 7384	Mercedes standard
DIN	German technical standard
D.M.	Ordinance of the Ministry of Health of Italy
DOC	dissolved organic carbon
Document 155 N	pre-Draft European Standard
DSC	Differential scanning calorimetry
DVGW W, GW	German Technical and Scientific Association for Gas and Water
DVS	Deutsche welding association standards
EHK	EC homologation specifications
ENV	Preliminary European Standard
EPA	Environmental Protection Agency (USA)
EPA TO	Environmental Protection Agency. Toxic Organic (USA)
ES	European directive
Eur. Phar	European Pharmacopeia
Eur. Phar., chap. 3 <sup>e)</sup>	Includes selected chs from the European Pharmacopeia – chapter 3.1.1.1; 3.1.1.2; 3.1.3; 3.1.4; 3.1.5; 3.1.6; 3.1.7; 3.1.8; 3.1.9; 3.1.14; 3.1.15
FAME	Methylesters of fatty acids
FLTM BN, BI, BO	Ford laboratory test method
FM VSS	U.S. Federal Motor Vehicle Safety Standards
GB	National Standard of the People's Republic of China
GC-FID	Gas Chromatography – Flame Ionisation Detector
GC-MS	Gas Chromatography – Mass Spectrometry
GME	Automotive industry standards (Opel)
GMW	General Motors Worldwide Standards
GRP	glass-reinforced plastic
HPLC	High Performance Liquid Chromatography
IC	inorganic carbon
IEC	International electrotechnical commission
ISO/DIS	Draft ISO international standard

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LC	Liquid Chromatography
Material regulations SPCR 011	Certificate rules for international floorball federation
MČOV	Small wastewater treatment systems
MVSS	Motor Vehicle Safety Standard
PPE	Personal protective equipment
OSHA	Occupational Safety and Health Administration (USA)
ÖNORM	Austrian technical standard
PBU	Generally consumer goods
PBU <sup>x)</sup>	consumer goods, index <sup>x)</sup> means: a) products in contact with food b) products in contact with water c) products for kids d) toys
PrCen ISO/TS	draft standard
PrEN ISO	draft standard
PR xxx.x	BMW standard
PSA Dx xxxx	Peugeot - Citroen standard
PTACPDS	automotive industry standards (Toyota)
PV (VW)	Volkswagen Group's technical standard
QV	BMW QV standards
RAL – GZ	Reichs-Ausschuss für Lieferbedingungen und Gütesicherungen beim Deutschen Normenausschuss
SEM-EDS	Scanning electron microscopy - energy dispersion spectrometry
SHI	State Health institute
SPCR	Floorball association
SN EN ISO	Swiss standard
TC	total carbon
TCD	Thermal Conductivity Detector
Technical guidelines	Technical guidelines on testing the migration of primary aromatic amines from polyamide kitchenware and of formaldehyde from melamine kitchenware 1 <sup>st</sup> edition 2011
TL	Technische Lieferbedingungen
TL big Fug	German technical delivery conditions for bituminous materials
TL-Pm OB	technical conditions for modified bitumens
TL-PmB	technical conditions for modified bitumens
TNV	Branch water management technical standard issued by Hydroprojekt CZ, a.s., Prague
TOC	total organic carbon
TPJLR xx.xxx	Jaguar standard
TP MDS	Technical Specification of the Czech Ministry of Transport and communications
TSB	automotive industry standards (Rover)
GAS technical rules	technical regulation by the Czech GAS association
UFLC	Ultra Fast Liquid Chromatography
USP 33 NF 28 S1	American Pharmacopeia



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US 21 CFR FDA	Code of federal regulation, title 21, Food and Drug Administration
VCS	Volvo Car Standard
VDA	Verband der Automobilindustrie (German automotive standard)
VDI	Verein Deutscher Ingenieure (VDI) (English: Association of German Engineers)
VW	Volkswagen Standard
MoH Regulation	Ministry of Health Regulation
MPO Regulation	Ministry of Industry and Trade Regulation
Products of child care	cutlery, feeding utensil, drinking facilities for children up to the age of three, dummies
Air	working, non-working, outdoor, indoor
WSS-M15P4-F	Ford laboratory test method - FORD standard
XRF	X-Ray Fluorescence
ZP	Medical devices