

This Appendix is an integral part of the Certificate

Name of accredited entity:

Technický skúšobný ústav Piešťany, š.p.
Testing Body of TSÚ Piešťany, Krajinská cesta 2929/9,
921 01 Piešťany,
Detached workstation in Pobedim No.294,
916 23 Pobedim

Laboratory with fixed scope of accreditation

| Subject / Matrix / Environment | Characteristic / Parameter / Indicator / Analyt | Principle / Sort / Type | Marking | Other specifications: |
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| 1. Air-conditioning devices, devices for transport and treatment of air, fans and exhausters, household refrigerators and freezers, cooling and freezing machines, heat pumps excluding household devices, refrigerated display cabinets, condensing cooling units, refrigeration compressors | Mechanical safety and construction | Visual inspection of the embodiment (Qualitative test) | STN EN ISO 12100-1 STN EN ISO 12100-2 STN EN 378-1,2,3,4 STN EN 378-1,3,4/A1 STN EN ISO15502 STN EN ISO 23953- 2 (MPS 317-2) | Tests are carried out in laboratory conditions |
| 1.2 Household refrigerators and freezers, refrigerated display cabinets, cooling and freezing machines, heat pumps excluding household devices | Temperature | Temperature measurement by means of resistance sensors (Qualitative test) | STN EN ISO 15502 STN EN ISO 23953-2 (MPS 317-2) | Tests are carried out in laboratory conditions |
| 1.3 Insulated transport equipment. Transport and stationary means for storing of human remains and relics | Heat transfer coefficient „k“ of insulated transport equipment, thermal equipment efficiency of insulated transport equipment, insulation properties of insulated transport equipment | Measurement of performance, dimensions and temperature, visual control (Qualitative test) | ATP 1970 (MPS 317-4.1÷2) | Tests are carried out in laboratory conditions The act on funeral services No. 470/2005 |
| 1.4 Gas boilers for central heating, stationary, hanging and combined, gas heaters of hot water (flow and storage), dark and light hanging infra-red heaters, gas heaters for space heating, heaters for liquefied petroleum gas for indoor and outdoor use, household gas cooking equipment, portable appliances operating at pressure of liquefied petroleum gas | Design and construction, adjustment and control devices, ignition system, burners, operating characteristics, combustion perfection of NOx, CO, CO ₂ , O ₂ | Operating functionality test, combustion gases measurement (Qualitative test) | STN EN 15502-1, STN EN 15502-2-1, preEN 15502-2, STN EN 297, STN EN 483, STN EN 625, STN EN 656, STN EN 303-2, STN EN 303-3, STN EN 89+A1+A2, STN EN 26+AC, STN EN 298, STN EN 416-1+A1, STN EN 416+A2, STN EN 419-1+A1, STN EN 419+A2, STN EN 777-1,2,3,4, STN EN 1020, STN EN 125, STN EN 1266, STN EN 12669, STN EN 1319+A2, STN EN 13278, STN | Tests are carried out in laboratory conditions |

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| vapours, gastro gas cooking equipment, gas burners | | | EN 1196, STN EN 14438, STN EN 509, STN EN 525, STN EN 613, STN EN 621, STN EN 778, STN EN 125, STN EN 14543, STN EN 1596, STN EN 449, STN EN 461, STN EN 484, STN EN 497, STN EN 498, STN EN 732, MPS 312-5, STN EN 30-1-1+A1, STN EN 30-1-2, STN EN 30-1-3+A1, STN EN 30-1-4, STN EN 30-2-1, STN EN 30-2, STN EN 125, STN EN 203-1, STN EN 203-2-1 ÷ 4, STN EN 203-2-6 ÷ 11, STN EN 676, STN EN 298 (MPS 312-1÷4, MPS 312-6-10) | |
| 1.5 Bicycles with electric drive (EPAC bicycles) | Design and construction, operating characteristics, electrical and mechanical safety | Operating functionality test (Qualitative test) | STN EN 15194 (MPS 312-11) | Tests are carried out in laboratory conditions |
| 1.6 Primary batteries | Design and construction, operating characteristics | Measurement of dimensions, discharge current and visual inspection | STN EN 60086-1 (MPS 312-12) | Tests are carried out in laboratory conditions |
| 2.1 Armatures – industrial vents: stop, reverse, control, reduction, safety with elem. control for gaseous fuels, slide-valves, tap faucets, flaps, filters, liquid-level gauges, tapping bands, hydrants, Armatures – installer residential and other small valves: stop, reverse, control, reduction, safety faucets, slide-valves, outlet fittings, tank and pressure flush systems, waste fittings, Fire extinguishers, fire fighting systems and their components, fire fighting hoses, hose reels and wall hydrants Pipes – steel, of copper and its alloys, pressure cast iron, Fittings – steel, of copper and its alloys, pressure cast iron, malleable iron, *Room heaters burning solid propellant | Mechanical characteristics - inner pressure resistance | Test by cold water pressure or by air (Qualitative test) | STN EN 88-1, STN EN 88-2, STN EN 161, STN EN 334, STN EN 593, STN EN 1074-1÷6, STN EN 1106, STN EN 1171, STN EN 1349, STN EN 1983, STN EN 1984, STN EN 12078, STN EN 12569, STN EN 12266-1÷2, STN EN 12288, STN EN 12334, STN EN 12864, STN EN 13443-1÷2, STN EN 13709, STN EN 13774, STN EN 13785, STN EN 13789, STN EN 14129, STN EN 14141, STN EN 14341, STN EN 14382+A1, STN EN ISO 4126-1÷5, STN EN ISO 10434, STN EN ISO 17292, STN EN 14339, STN EN 14384, STN 07 5820, STN 07 8690, STN 133060-2, STN 134309, STN 386456, STN 386457 (MPS 314/1.2.1) STN 13 7100, STN 13 7300, STN EN 1213, STN EN 13828, STN EN 1487, STN EN 1488, STN EN 1489, STN EN 1490, STN EN 1491, STN EN 200, STN EN 3312, STN EN 215, STN EN 816, STN EN 817, STN EN 1567, STN EN 1111, STN EN 1286, STN EN 1287, STN EN 14124, STN EN 12541, STN EN 15091, STN EN 14055. (MPS 314/1.1.1÷5) STN EN 3-7+A1, STN EN 3-8, STN EN 3-9, STN EN 3-10, STN EN 1866-1, STN EN 14540+A1, | Water (0,01 to 120) MPa Air (0,01 to 20) MPa Tests are carried out in laboratory conditions *Tests are carried out at the detached workstation in Pobedim ¹ |

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| | | | <p>STN EN 694+A1, STN EN 671-1÷2 (MPS 314/1.3.1) STN EN 13480-1, STN EN 13480-5, STN EN 10311, STN EN 10305-1÷5, STN EN 10297-1÷2, STN EN 10296-1÷2, STN EN 877, STN EN 10255+A1, STN EN 10216-1, STN EN 10216-2+A2, STN EN 10216-3÷5, STN EN 10217 1÷7, STN EN 1124-1, STN EN 1057+A1, STN EN 545, STN EN 969, STN EN 598+A1 STN EN 877, STN EN 10284, STN EN 1124-1, STN EN 1254-1÷5, STN EN 14525, STN EN 14628, STN EN 15189, STN EN 10242, STN EN 12842 (MPS 314/1.4.1) STN EN 303-5, STN EN 128092) STN EN 128152), STN EN 132292) STN EN 132402), STN EN 147852), STN EN 152502) (MPS 314/1.6.1)</p> | |
| <p>2.2 Armatures – industrial vents: stop, reverse, control, reduction, safety with elem. control for gaseous fuels, slide-valves, tap faucets, flaps, filters, hydrants, Armatures – installer residential and other small valves: stop, reverse, control, reduction, safety faucets, slide-valves, outlet fittings, tank and pressure flush systems, waste fittings, Machinery products of iron and steel, non-ferrous metals and plastic, gully tops and manhole tops</p> | <p>Mechanical strength and durability</p> | <p>Test for resistance to deformations under stress for torque and bending moment</p> <p>Test for resistance to deformations under stress at the bend</p> <p>Tensile strength test</p> <p>Test for resistance to deformation under load pressing force</p> <p>(Qualitative test)</p> | <p>STN EN 1074-1÷6, STN EN 12864, STN EN 13789, STN EN 13774, STN EN 14339, STN EN 14384, STN EN 88-1÷2, STN EN 161 STN EN 12078, STN EN 5820, STN 07 5820, STN 137100, STN 137200, STN 137401, STN EN 3312), STN EN 1213, STN EN 13828, STN EN 1487, STN EN 1488, STN EN 1489, STN EN 1490, STN EN 1491, STN EN 1106, STN EN 1567, STN STN EN ISO 6892-1, EN 14124, STN EN 12541, STN EN 124 (MPS 314/1.1.2.1) (MPS 314/1.1.2.2) (MPS 314/1.1.2.4) (MPS 314/1.8.1) (MPS 314/1.2.2)</p> | <p>(0,1 ÷ 10) kN (4,0 ÷ 400) kN (0,8 ÷ 800) kN</p> <p>Tests are carried out in laboratory conditions</p> |
| <p>2.3 Armatures – industrial vents: stop, reverse, control, reduction, safety with elem. control for gaseous fuels, slide-valves, tap faucets, flaps, filters, hydrants, Armatures – installer residential and other small valves: stop, reverse, control, reduction, safety faucets, slide-valves, outlet fittings, tank and pressure flush</p> | <p>Functional and operational characteristics</p> <p>- outlet and through-flow characteristics</p> <p>- protection against</p> | <p>Measurement of outlet and through-flow characteristics</p> <p>Test of back flow in vacuum</p> <p>Test of pressure</p> | <p>STN 075820, STN 130040, STN 134509, STN EN 88 -1÷2, STN EN 161, STN EN 334, STN EN 1267, STN EN 14339, STN EN 14384 (MPS 314/2.2.1.1÷3) STN 130040, STN EN 14055, STN EN 200, STN EN 215, STN EN 816, STN EN 817, STN EN 1111, STN EN 1286, STN EN 1287, STN EN1567, STN EN</p> | <p>Tests are carried out in laboratory conditions</p> <p>*Tests are carried out at the detached workstation in Pobodim¹</p> |

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| <p>systems, waste fittings, Fire extinguishers, fire fighting systems and their components, fire fighting hoses *Room heaters burning solid propellant</p> | <p>back flow - pressure surges</p> | <p>surges in the pipe by closing the flow Efficiency test for fire extinguishing of class "A" and "B" Measurement of activity time of nominal and residual charge Test of the safe operation Test of efficiency and heat rate Flue gas measurement (Qualitative tests)</p> | <p>12541, STN EN 14124, STN EN 15091 (MPS 314/2.1.1.1÷1) (MPS 314/2.1.1.1÷2) (MPS 314/2.1.1.1÷4) (MPS 314/2.1.1.1÷5) (MPS 314/2.1.1.1÷6) MPS 314/2.2.1.3 MPS 314/2.2.1.4 STN EN 3-10, STN EN 1866-1, STN EN 14540+A1, STN EN 671-1÷2, STN EN 694+A1 (MPS 314/1.3.1) STN EN 14055, STN EN 12541 STN EN 14124, STN EN 1717 (MPS 314/2.1.2÷3) STN EN 3-10, STN EN 3-7+A1, STN EN 3-8, STN EN 3-9, STN EN 1866-1 (MPS 314/2.3.1÷2) STN EN 303-5, STN EN 128092) STN EN 128152), STN EN 132292) STN EN 132402), STN EN 147852) STN EN 152502) (MPS 314/2.4.1)</p> | |
| <p>2.4 Armatures – industrial vents: stop, control, slide-valves, tap faucets, flaps, Armatures – installer residential and other small valves, outlet fittings, Machinery products of iron and steel, non-ferrous metals and plastic</p> | <p>Durability of operational reliability</p> | <p>Test of shutoff-control element of the armature by cycles Corrosion test in artificial atmosphere Salt spray test Temperature cycle test Artificial aging test of materials (Qualitative tests)</p> | <p>STN 133060 - 2, STN EN 12266-2 STN EN 13774 (MPS 314/3.2.1) STN EN 200 STN EN 817 (MPS 314/3.1.1) STN EN ISO 9227 ISO 4582 STN EN ISO 4892-2/A1 (MPS 314/3.3.1÷3)</p> | <p>Tests are carried out in laboratory conditions Technical requirements and other regulations containing the manufacturer's technical requirements for product</p> |
| <p>3.1 Gear boxes, electromotors, solid rotors, hydraulic components, pumping products, water treatment equipment, thermal solar systems and components</p> | <p>Hydraulic, energetical, mechanical and ergonomical characteristics</p> | <p>Direct measurement of values Measurement of flow, pressure, electric input, electric current, electric voltage, frequency,</p> | <p>STN EN ISO 9806, STN EN ISO 11200, STN EN ISO 3746, STN EN ISO 3747, STN EN ISO 9614-1, STN EN ISO 9614-2, STN EN, ISO 9614-3, STN EN 60076-10, STN ISO 7960, STN EN 50144-1, STN EN ISO 8528-10, STN 03 1002, STN 03 1008,</p> | <p>Tests are carried out in laboratory conditions Tests of thermal solar systems and components are carried out at the detached workstation in</p> |

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| | | <p>speed, temperature, time, volume, weight, torque, power, length, mechanical vibrations robustness, angle, radiation, air velocity, detection of efficiency</p> | <p>STN 03 1013, STN 03 1014, STN 03 1015, STN 03 1016, STN 11 0033, STN 11 0030, STN 02 8304, STN 06 1010, STN 12 566-(1,2 4), STN 13 3060-1, STN 13 0040, STN 27 0141-2, STN 63 5200, STN 63 5400, STN 75 0905, STN EN (853 ÷ 857), STN EN 1028-(1;2), STN EN 12050-(1÷3,4) 2), STN EN 12255-1, STN EN 12255-(3÷13), STN EN 12566-(1,3,4) 2), STN EN 12604, STN EN 12897, STN EN ISO 7751, STN EN ISO 5199, STN EN ISO 9906, STN EN ISO 9908, STN EN 12975-2, STN EN 12976-2, STN EN 16297-1,2,3, STN EN 16480, STN EN 60034-2, STN EN 60034-2-1, STN EN 60034-2-2, STN EN 60034-4, (MSP-321-1.3, MPS 316/501, MPS 316/502, MPS 316/503, MPS 316/504, MPS 316/211, MPS 316/321)</p> | <p>Pobedim¹</p> |
| <p>3.2 Machinery products (Lifting equipment, conveyors and manipulators, parking facilities, machinery for rubber processing, PVC, textile and footwear, food and packaging machines, construction and road machines, agricultural, forestry and garden equipment, forming, foundry and machine tools, fluid machinery and equipment, printing and paper- making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage)</p> | <p>Mechanical characteristics and ergonomics</p> | <p>Test of mechanical safety and ergonomics (safety) (Qualitative test)</p> <p>Measurement of flow, pressure, speed, temperature, time, weight, torque, power, length, radiation, air velocity</p> | <p>STN EN ISO 14119, STN 11 0030, STN 13 0010, STN 13 3060-2, STN 13 7100, STN 20 0700 sada, STN 21 0700, STN 21 0701, STN 21 0713, STN 21 0715, STN 21 0716, STN 21 0731, STN 21 0732, STN 21 0740, STN 26 0003, STN 26 0010, STN 26 9030, STN 26 9102, STN 26 9105, STN 26 9108, STN 26 9111, STN 26 9112, STN 26 9121, STN 26 9123, STN 26 9550, STN 27 0141- 1, STN 27 0141-2, STN 49 6117, STN 75 0905, STN EN 115-1, STN EN 201, STN EN 280, STN EN 289, STN EN 349, STN EN 415-(1÷9), STN EN 422, STN EN 453, STN EN 454, STN EN 474-(1÷12), STN EN 500-(1÷4,6), STN EN 528, STN EN 547- (1÷3), STN EN 574, STN EN 609-(1,2), STN EN 618, STN EN 619, STN EN 620, STN EN 632, STN EN 690, STN EN 691-1, STN EN 692, STN EN 693, STN EN 703, STN EN 706, STN EN 707, STN EN 709, STN EN 710, STN EN 741, STN EN 745, STN EN 746-(1÷5, 8), STN EN 775, STN EN 786, STN EN 791, STN EN 792-13, STN EN 809, STN EN 836, STN EN 842, STN EN 848-(1÷3), STN EN 859, STN EN 860, STN EN 861, STN EN 869, STN EN 894-(1÷4), STN EN 908, STN EN 909, STN EN 930, STN EN 931, STN EN 940, STN EN 953, STN EN 972, STN EN 981, STN EN 996, STN EN 1005-(1÷4), STN EN 1010-(1÷5), STN EN 1012-(1, 2), STN EN 1028-(1, 2), STN EN 1034-(1÷7,13,14,22), STN EN 1035, STN EN 1037, STN EN 1088, STN EN 1114-(1÷3), STN EN 1175- (1÷3), STN EN 1218-(1÷5), STN EN 1274, STN EN 1248, STN EN 1265, STN EN 1374, STN EN 1398, STN EN 1417, STN EN 1459, STN EN 1493, STN EN 1494, STN EN 1495, STN EN 1501-(1÷4), STN EN 1525, STN EN 1526, STN EN 1539, STN EN 1547, STN EN 1550, STN EN 1571-1, STN EN 1612-1, STN EN 1672-2, STN EN 1673, STN EN 1674, STN EN 1678, STN EN 1679-1, STN EN 1726-2, STN EN 1756-(1, 2), STN EN 1760-(1÷3), STN EN 1777, STN EN 1807, STN EN 1808, STN EN 1829-(1,2), STN EN 1834- (1÷3), STN EN 1837, STN EN 1845, STN</p> | <p>Tests are carried out in laboratory conditions and at the customer</p> |

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| | | | <p>EN 1853, STN EN 1870-(1, 3÷17), STN EN 1953, STN EN 1974, STN EN 12001, STN EN 12012-(1÷4), STN EN 12013, STN EN 12041, STN EN 12042, STN EN 12043, STN EN 12044, STN EN 12050-(1÷3) 2), STN EN 12077-2, STN EN 12158-(1, 2), STN EN 12159, STN EN 12162, STN EN 12198-(1÷3), STN EN 12203, STN EN 12254, STN EN 12255-(1,3÷13), STN EN 12267, STN EN 12268, STN EN 12301, STN EN 12312-19, STN EN 12331, STN EN 12348, STN EN 12355, STN EN 12387, STN EN 12409, STN EN 12417, STN EN 12418, STN EN 12463, STN EN 12505, STN EN 12525, STN EN 12547, STN EN 12581, STN EN 12601, STN EN 12621, STN EN 12622, STN EN 12629-(1÷8), STN EN 12629-5-(1÷5) STN EN 12635, STN EN 12643, STN EN 12644-(1,2), STN EN 12649, STN EN 12653, STN EN 12717, STN EN 12733, STN EN 12750, STN EN 12753, STN EN 12757, STN EN 12779, STN EN 12851, STN EN 12852, STN EN 12853, STN EN 12854, STN EN 12855, STN EN 12882, STN EN 12921-(1÷4), STN EN 12957, STN EN 12965, STN EN 12978, STN EN 12975-2, STN EN 12976-2, STN EN 12981, STN EN 12984, STN EN 13000, STN EN 13001-(1,2), STN EN 13019, STN EN 13020, STN EN 13021, STN EN 13035-(1÷11), STN EN 13042-(1÷5), STN EN 13074-(1,2), STN EN 13102, STN EN 13112, STN EN 13113, STN EN 13114, STN EN 13118, STN EN 13120, STN EN 13128, STN EN 13135-1, STN EN 13140, STN EN 13155, STN EN 13157, STN EN 13204, STN EN 13208, STN EN 13218, STN EN 13241, STN EN 13288, STN EN 13289, STN EN 13355, STN EN 13367, STN EN 13378, STN EN 13379, STN EN 13389, STN EN 13390, STN EN 13418, STN EN 13448, STN EN 13457, STN EN 13478, STN EN 13524, STN EN 13525, STN EN 13534, STN EN 13561, STN EN 13570, STN EN 13591, STN EN 13621, STN EN 13659, STN EN 13675, STN EN 13684, STN EN 13732, STN EN 13736, STN EN 13788, STN EN 13862, STN EN 13870, STN EN 13871, STN EN 13885, STN EN 13886, STN EN 13898, STN EN 13951, STN EN 13954, STN EN 13985, STN EN 14010, STN EN 14017, STN EN 14018, STN EN 14070, STN EN 14238, STN EN 14439, STN EN 14466, STN EN 14655, STN EN 14710-(1, 2), STN EN 14886, STN EN 14492-(1,2), STN EN 14502-2, STN EN 14656, STN EN 14673, STN EN 14910, STN EN 14930, STN EN 14957, STN EN 14958, STN EN 15027, STN EN 15056, STN EN 15061, STN EN 15067, STN EN 15095, STN EN 15162, STN EN 15163, STN EN 15164, STN EN 15166, STN EN 15503, STN EN 15811, STN EN 22248, STN EN 50144-1, STN EN 50144-2-7, STN EN 50223, STN EN 50260-1, STN EN 50260-2-7, STN EN 50338, STN EN 50348, STN EN 60745-1, STN EN 60745-2-(1÷6,8,9,11÷22), STN EN 61029-1, STN EN 61029-2-(1,3÷6,8÷12), STN EN 61310-(1÷3), STN EN 61496-1, STN EN 62061, STN EN ISO 2860, STN EN ISO 2867, STN EN ISO 3411, STN EN ISO 3450, STN EN ISO 3457, STN EN ISO 3691-(1,5), STN EN ISO 3746, STN EN ISO 4254-(1,5÷7,10÷12), STN EN ISO 4413, STN EN ISO 4414, STN EN ISO 5674, STN EN ISO 6682, STN EN ISO 6683, STN EN ISO 7731, STN EN 7933, STN EN ISO 8230-(1÷3), STN EN ISO 9908, STN EN ISO 10218-(1,2), STN EN ISO 11145, STN EN ISO 11161, STN EN 11252, STN EN ISO 10472-(1÷6), STN EN ISO 10517, STN EN ISO 10821, STN EN ISO 11102-(1,2), STN EN ISO 11111-(1÷7), STN EN ISO 11148-(1÷12), STN EN ISO 11202, STN EN ISO 11553-1, STN EN ISO 11680-(1,2), STN EN ISO 11681-(1, 2), STN EN ISO 11806-(1,2), STN EN ISO 11850, STN EN ISO 12100, STN EN ISO 13626, STN EN ISO 13732-(1,3), STN EN ISO 13849-1, STN EN ISO 13849-2, STN EN ISO 13850, STN EN ISO 13855, STN EN ISO 13857, STN EN ISO 14122-(1÷4),</p> | |
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| | | | STN EN ISO 14159, STN EN 14314, STN EN ISO 14738, STN EN ISO 19432, STN EN ISO 20361, STN EN ISO 23125, (MPS 316/311) | |
| 4.1 Machinery and equipment, electrical hand tools, household appliances, reference sound sources, computer and office equipment, machinery and devices, household appliances and toys | Acoustic power level | Calculation of acoustic power level in dead chamber | STN EN ISO 3744, STN EN ISO 3745, STN EN 60076-10, STN ISO 7960, STN EN 50144-1, STN EN 60704, STN EN ISO 6926, STN EN ISO 7779, STN EN ISO 8528-10 (MPS-321-1.1) | (20 to 130) dB (50 to 10 000) Hz Fine and technical measurement in laboratory conditions |
| | | Indirect measurement in reverberation chamber with ref. sound source | STN EN ISO 3741, STN EN ISO 3743-1 (MPS-321-1.2) | (20 to 130) dB (50 to 10 000) Hz Fine and technical measurement in laboratory conditions |
| | Acoustic pressure level | Direct measurement in reverberation chamber | STN EN 71-1, STN EN ISO 11201 (MPS-321-1.3) | (20 to 130) dB (50 to 10 000) Hz Fine and technical measurement in laboratory conditions |
| 4.2 Machinery and equipment, electrical hand tools | Noise emission Acoustic pressure level | Direct measurement "in situ" | STN EN ISO 11200-4, STN EN ISO 3746, STN EN ISO 3747, STN EN ISO 9614-1, STN EN ISO 9614-2, STN EN ISO 9614-3, STN EN 60076-10, STN ISO 7960, STN EN 50144-1, STN EN ISO 8528-10 (MPS-321-1.4) | (20 to 130) dB (50 to 10 000) Hz Technical measurement in laboratory conditions and at the customer |
| 4.3 Machinery and equipment, electrical hand tool | Noise emission Acoustic power level | Direct measurement "in situ" to determine acoustic power level | STN EN ISO 11200 STN EN ISO 3746, STN EN ISO 3747, STN EN ISO 9614-1÷3, STN EN 60076-10, STN ISO 7960, STN EN 50144-1, STN EN ISO 8528-10 (MPS-321-1.3) | (20 to 130) dB (50 to 10 000) Hz Technical measurement in laboratory conditions and at the customer |
| 4.4 Environment | Noise immission, acoustic pressure level | Measurement of acoustic pressure level and of ultrasound in protected areas and premises | STN ISO 1996-1÷3, (MPS-321-1.4) | (20 to 130) dB (20 to 40 000) Hz Measurement in the environment for the purposes of Act No. 355/2007, Health Ministry Decree No. 549/2007, 237/2009 and NV SR 555/2006 Measurement at the customer |
| 4.5 Work environment | Exposure to noise, noise immission, acoustic pressure level | Measurement of ultrasound in work premises | STN ISO 9612, STN ISO 1996-2 (MPS-321-1.4) | (20 to 130) dB (20 to 40 000) Hz Measurement in the work environment for the purposes of Act No. 355/2007, NV SR 115/2006, 555/2006 |

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| | | | | Measurement at the customer |
| 4.6 Construction products | Noise emission, acoustic pressure level | Indirect measurement in reverberation chamber with ref. sound source | STN EN ISO 7235, STN EN ISO 11691, STN EN ISO 5135, STN EN ISO 5136 (MPS-321-1.2) | (20 to 130) dB (50 to 10 000) Hz Fine and technical measurement in laboratory conditions |
| 4.7 Plumbing fixtures | Acoustic pressure level re. 2×10^{-5} Pa | Direct measurement of acoustic pressure level in acoustic chambers for sanitary fixtures | STN EN ISO 3822-1÷4 (MPS-321-1.6) | (20 to 130) dB (100 to 5 000) Hz Measurement in laboratory conditions |
| 4.8 Acoustic construction materials | Sound absorption factor of materials α_s | Indirect measurement in reverberation chamber | STN EN ISO 354, STN EN 1793-1, STN EN 11654 (MPS-321-1.5) | (0,01 to 0,99) (100 to 5 000) Hz Measurement in laboratory conditions |
| 4.9 Machinery and equipment, electrical hand tool | Mechanical vibration | Direct measurement of acceleration of mechanical vibration by the acceleration sensor | STN ISO 10816-1÷6 STN EN ISO 28927-1÷12 (MPS-321-1.7) | (0,01 to 500) m.s^{-2} (0,2 to 10 000) Hz Technical measurement in laboratory conditions and at the customer |
| 4.10 Environment | Vibration emission | Direct measurement of acceleration of mechanical vibration by the acceleration sensor | STN ISO 2631-1÷3 (MPS-321-1.7) | (0,001 to 500) m.s^{-2} (0,2 to 10 000) Hz Health Ministry Decree No. 549/2007, Measurement for the purposes of the Act No. 355/2007, Measurement at the customer |
| 4.11 Work environment | Exposure to vibrations | Direct measurement of exposure to vibrations in the hands and the whole body | STN EN 2631-1÷3 STN EN 5349-1÷2 (MPS-321-1.7) | (0,001 to 500) m.s^{-2} (0,2 to 10 000) Hz NV SR 416/2005, NV SR 629/2005, Measurement for the purposes of the Act No. 355/2007, Measurement at the customer |
| 4.12 Products for the mechanical engineering, automotive and electrical industry | Resistance to sinusoidal and random broadband mechanical vibration | Excitation by electrodynamic vibration exciter (Qualitative test) | STN EN 60068-2-6, STN EN 60068-2-47, STN EN 60068-2-64, STN EN 60068-2-80, STN EN 60068-3-8, STN 61373 (MPS-321-1.8) | (0,001 to 100) m.s^{-2} , (5 to 2 000) Hz Tests in laboratory conditions |

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| 4.13 Products for the mechanical engineering, automotive and electrical industry | Resistance to mechanical shocks | Excitation by using of the electrodynamic vibration exciter and bump test machine (Qualitative test) | STN EN60068-2-27, STN EN60068-2-29, STN EN60068-2-47, STN EN60068-2-80, STN EN 60068-3-8, STN 61373 (MPS-321-1.8) | (0,1 to 82) g (0,1 to 1,5) m.s ⁻¹ (0,1 to 26) mm Tests in laboratory conditions |
| 4.14 Containers, IBC containers and large packagings | Drop resistance | Drop test (Qualitative test) | STN EN ISO 16495, ADR, RID, IMDG-code, IATA-DGR, RTDG (MPS-321-2.1/A÷4/A) (MPS-321-2.1/B÷4/B) | Packaging and transportation of dangerous goods Tests in laboratory conditions and at the customer |
| 4.15 Containers, IBC containers and large packagings | Resistance to air overpressure | Leak test (Qualitative test) | STN EN ISO 16495, ADR, RID, IMDG-code, IATA-DGR, RTDG (MPS-321-2.1/A÷4/A) (MPS-321-2.1/B÷4/B) | Packaging and transportation of dangerous goods Tests in laboratory conditions and at the customer |
| 4.16 Containers, IBC containers and large packagings | Resistance to hydrostatic overpressure | Internal hydrostatic overpressure test (Qualitative test) | STN EN ISO 16495, STN 77 0641 ADR, RID, IMDG-code, IATA-DGR, RTDG (MPS-321-2.1/A÷4/A) (MPS-321-2.1/B÷4/B) | Packaging and transportation of dangerous goods Tests in laboratory conditions and at the customer |
| 4.17 Containers, IBC containers and large packagings | Resistance to mechanical stress | Stacking test (Qualitative test) | STN EN ISO 16495, STN EN 22234 ADR, RID, IMDG-code, IATA-DGR, RTDG (MPS-321-2.1/A÷4/A) (MPS-321-2.1/B÷4/B) | Packaging and transportation of dangerous goods Tests in laboratory conditions and at the customer |
| 4.18 Fibreboard and paper packagings | Resistance of the outer surface to water | Determination of absorption according to Cobb method | STN EN ISO 535 ADR, RID, IMDG-code, IATA-DGR, RTDG (MPS-321-2.5) | (1,0 to 1000) g/m ² Tests in laboratory conditions |
| 4.19 Toys | Seam strength of textile toys | Mechanical test of seam strength of textile toys (Qualitative test) | STN EN 71-1 (MPS 321/001) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Accessibility of toy parts | Mechanical test of accessibility of toy parts by means of test fingers (Qualitative test) | STN EN 71-1 (MPS 321/002) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Sharpness of toy tips | Mechanical test of sharpness of toy tips (Qualitative test) | STN EN 71-1 (MPS 321/003) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |

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| | Flexibility of toy wires | Mechanical test of wires by bending (Qualitative test) | STN EN 71-1 (MPS 321/004) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Sharpness of toy edges | Mechanical test of sharpness of toy edges (Qualitative test) | STN EN 71-1 (MPS 321/005) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Toy resistance to fall | Mechanical test of toy resistance to fall (Qualitative test) | STN EN 71-1 (MPS 321/006) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| 4.19 Toys | Strength of toy parts | Mechanical strength test of toy parts (Qualitative test) | STN EN 71-1 (MPS 321/007) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Resistance of rocking toys to rollover | Mechanical stability test of rocking toys (Qualitative test) | STN EN 71-1 (MPS 321/008) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Strength of swings | Mechanical strength test of swings using mechanical load (Qualitative test) | STN EN 71-1 (MPS 321/009) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Size of toys and their parts | Size test of toys and their parts using templates (Qualitative test) | STN EN 71-1 (MPS 321/011) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Rate of flame spread of textile toys | Measurement of propagation speed of the flame | STN EN 71-1 (MPS 321/102) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Dimensions of toys | Tests of toy shapes using templates (Qualitative test) | STN EN 71-1 (MPS 321/012) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Resistance to crash of rattles | Mechanical crash test (Qualitative test) | STN EN 71-1 (MPS 321/013) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| | Strength of children cars | Mechanical test of static and dynamic strength of | STN EN 71-1 (MPS 321/015) | Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |

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| | | children cars (Qualitative test) | | |
| | Speed of toy gun shots | Measurement of kinetic energy of toy projectiles | STN EN 71-1 (MPS 321/014) (MPS 321/014/1) | (0,02 to 0,1) J (0,1 to 0,8) J Excluding toys not listed in STN EN 71-1. Tests in laboratory conditions |
| 4.20 Prams | Construction of prams | Mechanical test of pram construction (Qualitative test) | STN EN 1888 (MPS 321/302) | Tests in laboratory conditions |
| | Stability of prams | Mechanical test of pram stability (Qualitative test) | STN EN 1888 (MPS 321/300) | Tests in laboratory conditions |
| | Brakes of prams | Mechanical test of breaking efficiency of the pram | STN EN 1888 (MPS 321/301) | Tests in laboratory conditions |
| 4.20 Prams | Design and strength of prams | Mechanical test of design and strength of the pram (Qualitative test) | STN EN 1888 (MPS 321/304) | Tests in laboratory conditions |
| 4.21 Bicycles and baby seats for cycles | Edges, cracks, protrusions, strength | Mechanical tests using test equipment and templates (Qualitative test) | STN EN 14764, STN EN 14765, STN EN 14766, STN EN 14781, STN ISO 4210, STN ISO 8098, STN EN 14872, STN EN 14344, STN EN ISO 4210-1, STN EN ISO 4210-2, STN EN ISO 4210-3, STN EN ISO 4210-4, STN EN ISO 4210-5, STN EN ISO 4210-6, STN EN ISO 4210-7, STN EN ISO 4210-8, STN EN ISO 4210-9 (MPS 321/764, MPS 321/765, MPS 321/766, MPS 321/781, MPS 321/14344) | Excluding bicycles for the disabled, special and tandem bicycles. Tests in laboratory conditions |
| | Dimensions and distances | Measurement using measures of length | STN EN 14764, STN EN 14765, STN EN 14766, STN EN 14781, STN ISO 4210, STN ISO 8098, STN EN 14872, STN EN 14344 STN EN ISO 4210-1, STN EN ISO 4210-2, STN EN ISO 4210-3, STN EN ISO 4210-4, STN EN ISO 4210-5, STN EN ISO 4210-6, STN EN ISO 4210-7, STN EN ISO 4210-8, STN EN ISO 4210-9 (MPS 321/764, MPS 321/765, MPS 321/766, MPS 321/781, MPS 321/14344) | (0,1 to 1050) mm Excluding bicycles for the disabled, special and tandem bicycles. Tests in laboratory conditions |

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| 4.21 Bicycles and baby seats for cycles | Brakes, wheels, rims, tires, tire tubes, fenders, chains | Mechanical tests using test equipment (Qualitative test) | STN EN 14764, STN EN 14765, STN EN 14766, STN EN 14781, STN ISO 4210, STN ISO 8098, STN EN 14872, STN EN 14344 STN EN ISO 4210-1, STN EN ISO 4210-2, STN EN ISO 4210-3, STN EN ISO 4210-4, STN EN ISO 4210-5, STN EN ISO 4210-6, STN EN ISO 4210-7, STN EN ISO 4210-8, STN EN ISO 4210-9 (MPS 321/764, MPS 321/765, MPS 321/766, MPS 321/781) | Excluding bicycles for the disabled, special and tandem bicycles. Tests in laboratory conditions |
| | Steering, frames, front forks, pedals and drive train | Crash tests (Qualitative test) | STN EN 14764, STN EN 14765, STN EN 14766, STN EN 14781, STN ISO 4210, STN ISO 8098, STN EN 14872, STN EN 14344 STN EN ISO 4210-1, STN EN ISO 4210-2, STN EN ISO 4210-3, STN EN ISO 4210-4, STN EN ISO 4210-5, STN EN ISO 4210-6, STN EN ISO 4210-7, STN EN ISO 4210-8, STN EN ISO 4210-9 (MPS 321/764, MPS 321/765, MPS 321/766, MPS 321/781) | Excluding bicycles for the disabled, special and tandem bicycles. Tests in laboratory conditions |
| | Steering, frames, front forks, wheels, pedals and drive train, seats and seat posts | Static tests (Qualitative test) | STN EN 14764, STN EN 14765, STN EN 14766, STN EN 14781, STN ISO 4210, STN ISO 8098, STN EN 14872, STN EN 14344 STN EN ISO 4210-1, STN EN ISO 4210-2, STN EN ISO 4210-3, STN EN ISO 4210-4, STN EN ISO 4210-5, STN EN ISO 4210-6, STN EN ISO 4210-7, STN EN ISO 4210-8, STN EN ISO 4210-9 (MPS 321/764, MPS 321/765, MPS 321/766, MPS 321/781) | Excluding bicycles for the disabled, special and tandem bicycles. Tests in laboratory conditions |
| | Steering, frames, front forks, pedals and drive train, seats and seat posts | Dynamic tests – fatigue test (Qualitative test) | STN EN 14764, STN EN 14765, STN EN 14766, STN EN 14781, STN ISO 4210, STN ISO 8098, STN EN 14872, STN EN 14344 STN EN ISO 4210-1, STN EN ISO 4210-2, STN EN ISO 4210-3, STN EN ISO 4210-4, STN EN ISO 4210-5, STN EN ISO 4210-6, STN EN ISO 4210-7, STN EN ISO 4210-8, STN EN ISO 4210-9 (MPS 321/764, MPS 321/765, MPS 321/766, MPS 321/781) | Excluding bicycles for the disabled, special and tandem bicycles. Tests in laboratory conditions |
| 5.1 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and | Electric safety | Measurement of insulation resistance | STN EN 61439-(1 to 6), STN EN 62560, STN EN 62031, STN EN 60432-(1 to 3), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 60335-1, STN EN 60335-2-(1 to 109), STN EN 61029-1, STN EN 61029-2-(1 to 12), STN EN 60745-1, STN EN 60745-2-(1 to 22), STN EN 60204-(1, 11, 31, 32, 33), STN EN 60598-1, STN EN 60598-2-(1 to 25) STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950, STN | (0,02÷1000) MΩ Tests in laboratory conditions and at the customer |

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| <p>footware, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage).</p> <p>Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances, medical devices</p> | | <p>Tests by voltage application (Qualitative test)</p> | <p>EN 60065, STN EN 62115, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60601-1, STN EN 60968 (MPS 323/01 MPS 316/321 MPS 312-13)</p> | <p>(0,1÷6) kV a.c. voltage (0,1÷10) kV d.c. voltage</p> <p>Tests in laboratory conditions and at the customer</p> |
| | | <p>Measurement of leakage current</p> | | <p>(0,01÷100) mA a.c. current (1÷1000) kV a.c. voltage</p> <p>Tests in laboratory conditions and at the customer</p> |
| <p>5.2 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footware, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines,</p> | <p>Temperature and heating caused by electric operation</p> | <p>Measurement of surface temperature</p> | <p>STN EN 61439-(1 to 6), STN EN 62560, STN EN 62031, STN EN 60432-(1 to 3), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 60335-1, STN EN 60335-2-(1 to 109), STN EN 61029-1, STN EN 61029-2-(1 to 12), STN EN 60745-1, STN EN 60745-2-(1 to 22), STN EN 60204-(1, 11, 31, 32, 33), STN EN 60598-1, STN EN 60598-2-(1 to 25), STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950, STN EN 60065, STN EN 62115, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60968 (MPS 323/02)</p> | <p>(-200÷1760) °C</p> <p>Tests in laboratory conditions and at the customer</p> |

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| <p>power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage).</p> <p>Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances</p> | | <p>Measurement of windings heating</p> | <p>MPS 316/321 MPS 312-13)</p> | <p>(0,5÷250) °C</p> <p>Tests in laboratory conditions and at the customer</p> |
| <p>5.3 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footwear, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage).</p> <p>Air conditioning units, equipment</p> | <p>Characteristics of electric insulating materials: Resistance to leakage currents</p> | <p>Test of insulation burn-out (Qualitative test)</p> | <p>STN EN 61439-(1 to 6), STN EN 62560, STN EN 62031, STN EN 60432-(1 to 3), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 60112, STN EN 60335-1, STN EN 60335-2-(1 to 109), STN EN 61029-1, STN EN 61029-2-(1 to 12), STN EN 60745-1, STN EN 60745-2-(1 to 22), STN EN 60204-(1,11,31,32,33), STN EN 60598-1, STN EN 60598-2-(1 to 25), STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950, STN EN 60065, STN EN 62115, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60968 (MPS 323/03, MPS 316/321 MPS 312-13)</p> | <p>(30÷1000) V a.c. voltage (0,1÷1,5) A a.c. current</p> <p>Tests in laboratory conditions</p> |
| | <p>Resistance to heat</p> | <p>Measurement of the diameter of the recess (Qualitative test)</p> | | <p>(0,5÷250) °C</p> <p>Tests in laboratory conditions</p> |

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| for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances | Resistance to flame propagation | Burning rate test applying a Bunsen burner (Qualitative test) | | Tests in laboratory conditions |
| | | Ignition and flame spread test using glow wire (Qualitative test) | | (550÷960) °C Tests in laboratory conditions |
| | | Ignition and flame spread test using imperfect connection (Qualitative test) | | (50-250) °C Tests in laboratory conditions |
| | | Ignition and flame spread test using needle flame (Qualitative test) | | Flame length (5÷30)mm Tests in laboratory conditions |
| | | Flammability test of gases in consequence of heating using the glow thorn (Qualitative test) | | Tests in laboratory conditions |
| 5.4 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footwear, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and | Resistance to foreign particles and to water | Test of protection against ingress of foreign particles and water (Qualitative test) | STN EN 61439-(1 to 6), STN EN 62560, STN EN 62031, STN EN 60432-(1 to 3), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 60529, STN EN 60335-1, STN EN 60335-2-(1 to 109), STN EN 61029-1, STN EN 61029-2-(1 to 12), STN EN 60745-1, STN EN 60745-2-(1 to 22), STN EN 60204-(1,11,31,32,33), STN EN 60065, STN EN 60598-1, STN EN 60598-2-(1 to 25), STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950, STN EN 62115, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60968 (MPS 323/04 MPS 316/321 | Flow (0,05÷12) m ³ /h Pressure 10kPa - 3MPa Tests in laboratory conditions |

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| <p>industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage).</p> <p>Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances</p> | | | MPS 312-13) | |
| <p>5.5 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footwear, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage).</p> <p>Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration</p> | <p>Mechanical resistance</p> | <p>Shock test (Qualitative test)</p> | <p>STN EN 61439-(1 to 6), STN EN 62560, STN EN 62031, STN EN 60432-(1 to 3), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 60335-1, STN EN 60335-2-(1 to 109), STN EN 61029-1, STN EN 61029-2-(1 to 12), STN EN 60745-1, STN EN 60745-2-(1 to 22), STN EN 60204-(1,11,31,32,33), STN EN 60598-1, STN EN 60598-2-(1 to 25), STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950, STN EN 60065, STN EN 62115, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60968</p> | <p>(0,22±1,0) Nm</p> <p>Tests in laboratory conditions</p> |
| | | <p>Test in the spill drum (Qualitative test)</p> | <p>STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950, STN EN 60065, STN EN 62115, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60968</p> | <p>Tests in laboratory conditions</p> |
| | | <p>Torque test (Qualitative test)</p> | <p>(MPS 323/05 MPS 316/321 MPS 312-13)</p> | <p>(0,2±26) Nm</p> <p>Tests in laboratory conditions</p> |
| | | <p>Inlets relief test tension, bending, compression (Qualitative test)</p> | | <p>(1±200) N</p> <p>Tests in laboratory conditions</p> |

Appendix to Decision No.009/6171/2016/1 and to Certificate of Accreditation No.S-047 from 21st Jan. 2016

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| units, refrigeration compressors, gas appliances | | Test of mechanical stability (Qualitative test) | | (2 ÷ 20) ° Tests in laboratory conditions |
| 5.6 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footwear, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage). Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances | Resistance of construction materials to corrosion | Corrosion test in oxygen at high pressure (Qualitative test) | | 2,1 MPa Tests in laboratory conditions |
| 5.7 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power | Protection against electric shock | Test of protection against touching living parts (Qualitative test) | STN EN 61439-(1 to 6), STN EN 62560, STN EN 62031, STN EN 60432-(1 to 3), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 60335-1, STN EN 60335-2-(1 to 109), STN EN 61029-1, STN EN 61029-2-(1 to 12), STN EN 60745-1, STN EN 60745-2-(1 to 22), STN EN 60204-(1,11,31,32,33), STN EN 60065, STN EN 60598-1, STN | Tests in laboratory conditions and at the customer |

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| <p>tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footwear, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage). Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances</p> | | <p>Measurement of creepage and air distances</p> | <p>EN 60598-2-(1 to 25), STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950 STN EN 62115, STN EN 60664-1, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60968 (MPS 323/07, MPS 316/321 MPS 312-13)</p> | <p>(0,1÷130) mm</p> <p>Tests in laboratory conditions and at the customer</p> |
| | | <p>Test of protection of non-living conducting parts (Qualitative test)</p> | | <p>(20÷1999) mΩ</p> <p>Tests in laboratory conditions and at the customer</p> |
| <p>5.8 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footwear, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece</p> | <p>Functionality, safety in state of failure, electric quantities</p> | <p>Tests of resistance to state of failure (Qualitative test)</p> | <p>STN EN 61439-(1 to 6), STN EN 62560, STN EN 62031, STN EN 60432-(1 to 3), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 60335-1, STN EN 60335-2-(1 to 109), STN EN 61029-1, STN EN 61029-2-(1 to 12), STN EN 60745-1, STN EN 60745-2-(1 to 22), STN EN 60204-(1,11,31,32,33), STN EN 60598-1, STN EN 60598-2-(1 to 25), STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950, STN EN 60065, STN EN 62115, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60968 (MPS 323/08, MPS 316/321 MPS 312-13)</p> | <p>(0,02÷2) V d.c. voltage (2÷1000) V (20÷200) V a.c. voltage (200÷750) V (0,02÷2) mA d.c. current (2÷200) mA (0,2÷20) A (0,2÷2) mA a.c. current (2÷200) mA (0,2÷20) A (20÷600) A (2÷200) Ω resistance (0,2÷200) kΩ (0,2÷2) MΩ (2÷20) MΩ (15÷750) W d.c. current input (15÷150) W a.c. current input (150÷6000) W (45÷120) Hz frequency</p> <p>Tests in laboratory conditions and at</p> |

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| goods storage). Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances | | | | the customer |
| 5.9 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footwear, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage). Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances | Requirements for design of electrical connections and components used | Tests of resistance of the structure (Qualitative test) | STN EN 61439-(1 to 6), STN EN 62560, STN EN 62031, STN EN 60432-(1 to 3), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 60335-1, STN EN 60335-2-(1 to 109), STN EN 61029-1, STN EN 61029-2-(1 to 12), STN EN 60745-1, STN EN 60745-2-(1 to 22), STN EN 60204-(1,11,31,32,33) , STN EN 60598-1, STN EN 60598-2-(1 to 25), STN EN 61558-1, STN EN 61558-2-(1 to 23), STN EN 60730-1, STN EN 60730-2-(1 to 19), STN EN 60439-(1 to 5), STN EN 61347-1, STN EN 61347-2-(1 to 13), STN EN 61010-1, STN EN 60950, STN EN 60065, STN EN 62115, STN EN 50144-1, STN EN 50144-2-(7,16), STN EN 50260-1, STN EN 50260-2-7, STN EN 60034-22, STN EN 61310-(1 to 3), STN EN 61496-1, STN EN 1175-1, STN EN ISO 23953-2, STN EN ISO 15502, STN EN 60968 (MPS 323/09, MPS 316/321 MPS 312-13) | Tests in laboratory conditions and at the customer |
| 5.10 Household appliances and similar ones, winning gaming machines, laboratory appliances and equipment | Density of microwave radiation | Measurement of density of microwave radiation | STN EN 60335-1, STN EN 61010-1, STN EN 60335-2-(1 to 109), (MPS 323/10) | (0,2÷100) mW/cm ² Tests in laboratory conditions and at the customer |

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| <p>5.11 Household appliances and similar ones, winning gaming machines and technical equipment for lotteries and gambling, laboratory instruments and equipment, electrical equipment of machines, IT equipment, consumer electronics, transformers, portable power tools, automatic electric control devices, electric toys, Machinery: (hoists, conveyors and manipulators, parking facilities, machinery for processing of rubber, PVC, textiles and footwear, food industry and packaging machines, construction and road machines, agricultural, forestry and garden machines, forming, foundry and working machines, machinery tool, fluid machines and equipment, printing and paper-making machines, power generators, machinery for finishing, cleaning machines and industrial laundry services, machines for glass and ceramic production, transmission devices, devices and systems for piece goods storage). Air conditioning units, equipment for air transport and treatment, fans, hoods, refrigerators and freezers for household, cooling and freezing equipment, heat pumps except of household appliances, refrigerated display cabinets, condensing refrigeration units, refrigeration compressors, gas appliances, medical devices</p> | <p>Electromagnetic compatibility: radiation – measurement of terminal noise voltage, (continuous and pulsed) measurement of disturbance power, measurement of radiation of electromagnetic field: resistance to electromagnetic field, resistance to electrostatic discharge, resistance to fast transients (groups of impulses), resistance to shock pulse, resistance to voltage dips, interruptions and slow voltage variations</p> | <p>Test of electromagnetic compatibility (Qualitative test)</p> | <p>STN EN 61326-1, STN EN 61547, STN EN 55014-1, STN EN 55014-2, STN EN 55011, STN EN 55012, STN EN 55015, STN EN 55022, STN EN 55024, STN EN 61000-3-2, STN EN 61000-3-3, STN EN 61000-4-2, STN EN 61000-4-3, STN EN 61000-4-4, STN EN 61000-4-5, STN EN 61000-4-6, STN EN 61000-4-8, STN EN 61000-4-11, STN EN 61000-6-1, STN EN 61000-6-3, STN EN 50370-1, STN EN 50370-2, STN EN 61000-3-11, STN EN 61000-3-12, STN EN 60601-1-2, STN EN 61000-6-2, STN EN 61000-6-4 (MPS 323/11, MPS 316/322)</p> | <p>(0,15 ÷ 30) MHz (30 ÷ 3000) MHz (2 ÷ 25) kV (air discharge) (2 ÷ 9) kV (contact discharge) 5/50ns/15/300 ms (0,2 ÷ 4,4) kV 1,2/50 µs (0,2 ÷ 4,4) kV</p> <p>Tests in laboratory conditions and at the customer</p> |
| <p>5.12 Winning gaming machines and other technical and communication devices with accessories including software for lotteries, gambling and other similar devices</p> <p>Electronic cash registers, fiscal printers</p> | <p>Game softver parameters</p> <p>Fiscal properties, technical assessment of software</p> | <p>Inspection of devices and accessories including the software according to legislation (Qualitative test)</p> <p>Inspection of documents issued by the cash register, inspection of devices and accessories including the software (Qualitative test)</p> | <p>Act No. 171/2005 Coll. as amended by later regulations Decree No. 641/2008 Coll. Decree No. 17/2009 Coll. (MPS 323/12-2)</p> <p>§ 4 of the Act No. 289/2008 Coll. (MPS 323/12-2)</p> | <p>Tests in laboratory conditions and at the customer</p> |

Explanatory notes:

MPS – Methodical procedur of the test,

ATP – Agreement on international carriage of perishable foodstuffs

1) – Detached workstation in Pobedim No. 294, 916 23 Pobedim, Slovak Republic

2) – To support the claims of the manufacturar of the parameters in the system 3 (III) according to Regulation of the European Parliament and Council No. 305/2011 (Act No. 133/2013 Coll. and Decree No. 162/2013 Coll.)