

**The Appendix is an integral part of
Certificate of Accreditation No. 262/2023 of 30/05/2023**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

TECHNICKÉ LABORATOŘE OPAVA, akciová společnost
CAB number 1322, Testing Laboratory
Těšínská 2962/79b, Předměstí, 746 01 Opava

Testing laboratory locations:

- | | |
|--------------------------------------|--|
| 1. Workplace Opava | Těšínská 2962/79b, Předměstí, 746 01 |
| 2. Workplace Černá ve Slezsku | Černá ve Slezsku 100, 749 01, Černá ve Slezsku |

The laboratory applies a flexible approach to the scope of accreditation

Updated list of activities provided within the required flexible scope of accreditation is publicly available on the laboratory website: <https://www.tlo.cz/sluzby/zkusebni-laborator/> in the form "List of activities within the flexible scope of accreditation".

1. Workplace Opava

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1	Hydraulic test	ČSN 44 4440, cl. 36; ČSN EN 1804-2, Annex A.1.1, A.1.2.4; EN 1804-2, Annex A.1.1, A.1.2.4	Individual reinforcement – hydraulic mine legs, powered supports – hydraulic legs and rams	-
2	Hydraulic test	ČSN EN 1804-3, Annex A1.1, A.1.3, A.1.3.1, A.1.3.2, A.1.4, A.1.4.1, A.1.4.2, A.1.5, A.1.5.1, A.1.5.2; EN 1804-3, Annex A1.1, A.1.3, A.1.3.1, A.1.3.2, A.1.4, A.1.4.1, A.1.4.2, A.1.5, A.1.5.1, A.1.5.2; ČSN 44 4450, Annex A.3.1, A.3.2, A.3.2.1, A.3.2.2; ČSN 11 9008, cl. 4.5; ČSN 44 4440, cl. 31	Powered supports – hydraulic control systems – valves, hydraulic control systems – valves, hydrostatic mechanisms	-
3	Filling test	ČSN 44 4440, cl. 34	Individual face support – hydraulic pit props	-
4	Inner column retraction test	ČSN 44 4440, cl. 35	Individual face support – hydraulic pit props	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
5	Test to determine characteristics	ČSN 44 4440, cl. 37	Individual face support – hydraulic pit props	-
6	Axial load test	ČSN 44 4440, cl. 38	Individual face support – hydraulic pit props	-
7	Extra-axial load test	ČSN 44 4440, cl. 39	Individual face support – hydraulic pit props	-
8	Determination of pass-through	ČSN EN 1804-1, cl. 4.1.2; EN 1804-1, cl. 4.1.2; ČSN 44 4450, cl. 5.1.2; PP - 42.03.06 (ČSN EN ISO 2867)	Roof support - support section, mobile working machines, stationary machines and equipment	-
9	Hydraulics test	ČSN EN 1804-1, Annex A.6; EN 1804-1, Annex A.6	Roof support – support section	-
10	Roof bar test	ČSN EN 1804-1, Annex A.1.1, A.1.2.1, A.1.3, A.1.3.1, A.1.3.2, A.1.3.3, A.5; EN 1804-1, Annex A.1.1, A.1.2.1, A.1.3, A.1.3.1, A.1.3.2, A.1.3.3, A.5	Roof support – support section	-
11	Bending test	ČSN EN 1804-1, Annex A.1.1, A.1.2.1, A.1.2.2; EN 1804-1, Annex A.1.1, A.1.2.1, A.1.2.2; ČSN 44 4450, Annex A.1.1, A.1.2.1	Roof support – support section	-
12	Testing at horizontal load of trestle supports	ČSN EN 1804-1, Annex A.1.1, A.1.2.5; EN 1804-1, Annex A.1.1, A.1.2.5	Roof support – support section	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
13	Cyclic fatigue tests	ČSN EN 1804-1, Annex A.1.1, A.1.3.1, A.1.3.2, A.1.3.3; EN 1804-1, Annex A.1.1, A.1.3.1, A.1.3.2, A.1.3.3; ČSN 44 4450, Annex A.1.3.1	Roof support – support section	-
14	Eccentric load test	ČSN EN 1804-1, Annex A.1.1, A.1.3.1, A.1.3.4; EN 1804-1, Annex A.1.1, A.1.3.1, A.1.3.4	Roof support - support section	-
15	Testing at horizontal load of shield supports	ČSN EN 1804-1, Annex A.1.1, A.1.3.1, A.1.3.5; EN 1804-1, Annex A.1.1, A.1.3.1, A.1.3.5	Roof support - support section	-
16	Lifting and pulling points test	ČSN EN 1804-1, Annex A.4; EN 1804-1, Annex A.4	Roof support - support section	-
17	Turnover resistance test	ČSN EN 1804-1, cl. 4.2; EN 1804-1, cl. 4.2	Roof support - support section	-
18	Tensile and pressure test of pit prop and valve power transmission points - fittings	ČSN EN 1804-1, Annex A.1.2.3; EN 1804-1, Annex A.1.2.3; ČSN 44 4450, Annex A.1.2.2	Roof support - support section	-
19	Extension limit test	ČSN EN 1804-2, Annex A.1.1, A.1.2.1; EN 1804-2, Annex A.1.1, A.1.2.1; ČSN 44 4450, Annex A.2.1, A.2.1.1, A.2.2, A.2.2.1	Roof support-hydraulic pit props and rams	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
20	Yielding test	ČSN EN 1804-2, Annex A.1.1, A.1.2.2; EN 1804-2, Annex A.1.1, A.1.2.2; ČSN 44 4450, Annex A.2.1, A.2.1.1, A.2.2, A.2.2.3; ČSN EN 1804-1, Annex A.1.2.4; EN 1804-1, Annex A.1.2.4	Roof support- hydraulic pit props and rams	-
21	Overload test – static overload	ČSN EN 1804-2, Annex A.1.1, A.1.2.3, A.1.2.3.1; EN 1804-2, Annex A.1.1, A.1.2.3, A.1.2.3.1; ČSN 44 4450, Annex A.2.1, A.2.1.1, A.2.2, A.2.2.2, A.2.2.2.1	Roof support - hydraulic pit props and rams	-
22	Overload test – dynamic overload	ČSN EN 1804-2, Annex A.1.1, A.1.2.3, A.1.2.3.2; EN 1804-2, Annex A.1.1, A.1.2.3, A.1.2.3.2	Roof support - hydraulic pit props and rams	-
23	Eccentric force test – bending test	ČSN EN 1804-2, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.2; EN 1804-2, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.2	Roof support - hydraulic pit props and rams	-
24	Eccentric force test – yielding test	ČSN EN 1804-2, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.3; EN 1804-2, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.3	Roof support - hydraulic pit props and rams	-
25	Durability test	ČSN EN 1804-2, Annex A.1.1, A.1.4; EN 1804-2, Annex A.1.1, A.1.4	Roof support - hydraulic pit props and rams	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
26	Lifting points test	ČSN EN 1804-2, Annex A.1.5; EN 1804-2, Annex A.1.5	Roof support - hydraulic pit props and rams	-
27	Pressure test	ČSN EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.3, A.1.3.4, A.1.4, A.1.4.1, A.1.4.3 A.1.5, A.1.5.1, A.1.5.3; EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.3, A.1.3.4, A.1.4, A.1.4.1, A.1.4.3 A.1.5, A.1.5.1, A.1.5.3; ČSN 44 4450, Annex A.3.1, A.3.2, A.3.2.1, A.3.2.3, A.3.2.5; ČSN 44 4440, cl. 32 a)	Powered supports – hydraulic control systems – valves, individual reinforcement – hydraulic mine legs	-
28	Hydraulic pressure pulse test	ČSN EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.5; EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.5	Roof support - Hydraulic control systems – Type A valves	-
29	Impact test	ČSN EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.6; EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.6	Roof support - Hydraulic control systems – Type A valves	-
30	Pressure/flow behaviour test	ČSN EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.7; EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.7; ČSN 44 4450, Annex A.3.2, A.3.2.1, A.3.2.4; ČSN 44 4440, cl. 32 b)	Powered supports – hydraulic control systems – type A valves, individual reinforcement – hydraulic mine legs – valves	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
31	Fatigue test	ČSN EN 1804-3, Annex A.1.1, A.1.3, A.1.3.8, A.1.4, A.1.4.1, A.1.4.6, A.1.5, A.1.5.1, A.1.5.4; EN 1804-3, Annex A.1.1, A.1.3, A.1.3.8, A.1.4, A.1.4.1, A.1.4.6, A.1.5, A.1.5.1, A.1.5.4; ČSN 44 4450, Annex A.3.2, A.3.2.1, A.3.2.6; ČSN 44 4440, cl. 33	Roof support - Hydraulic control systems – valves, individual face support – hydraulic pit props	-
32	Back pressure resistance test	ČSN EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.9, A.1.4, A.1.4.1, A.1.4.4, A.1.5, A.1.5.1, A.1.5.5; EN 1804-3, Annex A.1.1, A.1.3, A.1.3.1, A.1.3.9, A.1.4, A.1.4.1, A.1.4.4, A.1.5, A.1.5.1, A.1.5.5	Roof support - Hydraulic control systems - valves	-
33	Switching test (Switching off)	ČSN EN 1804-3, Annex A.1.1, A.1.4, A.1.4.1, A.1.4.5, A.1.5, A.1.5.1, A.1.5.6; EN 1804-3, Annex A.1.1, A.1.4, A.1.4.1, A.1.4.5, A.1.5, A.1.5.1, A.1.5.6	Roof support - Hydraulic control systems	-
34	Dynamic resistance test of hydraulic pit prop (support ram) – in cooperation with impact valve	ČSN 44 4450, Annex A.2.3, A.2.3.1	Roof supports for coal seams affected by rock bursts	-
35	Static testing pressure test	ČSN EN ISO 1402, cl. 8.1; PN-G-32000:2011	Rubber and plastics hoses and hose assemblies	-
36	Emergency pressure test	ČSN EN ISO 1402, cl. 8.3; PN-G-32000:2011	Rubber and plastics hoses and hose assemblies	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
37	Leakage test	ČSN EN ISO 1402, cl. 8.4; PN-G-32000:2011	Rubber and plastics hoses and hose assemblies	-
38	Tensile test	ČSN EN ISO 6892-1	Mechanical properties of materials	-
39*	Determination of sound power levels in free field over a reflecting plane	ČSN EN ISO 3744; ČSN EN ISO 3746	Machine equipment	-
40*	Determination of noise characteristics at a work station	ČSN EN ISO 11201; ČSN EN ISO 11202	Machinery	-
41*	Determination of noise	ČSN ISO 1999; ČSN EN ISO 9612	Working environment	-
42	Inspection of external appearance and determination of dimensions	ČSN 11 9008, cl. 4.2; ČSN 44 4450, Annex A.3.1.2	Hydrostatic mechanisms and hydraulic control systems	-
43	Pressure strength test	ČSN 11 9008, cl. 4.4	Hydrostatic mechanical devices	-
44	Functionality test	ČSN 11 9008, cl. 4.7	Hydrostatic mechanical devices	-
45	Safety test	ČSN 11 9008, cl. 4.9	Hydrostatic mechanisms	-
46*	Force load test	PP-42.04.03	Machinery, equipment and parts thereof	D
47*	Force loading test	ČSN 02 6002; ČSN 02 6007:1980; ČSN 02 6060:1977	Springs	D

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
48*	Force load test	ČSN 44 4410-3; PN-87/G-15000/10; PN-91/G-15000/11, cl. 2.5; ČSN 44 4410-1, cl. 5.3; STN 44 4410-1, cl. 5.3; ČSN 44 4410-4, cl. 5.2; STN 44 4410-4, cl. 5.2; DIN 21530-4, cl. 4.1.1.2.2.5, 4.1.2.2.2; UNE 22725, cl. 4.2.3	Steel support for use in mines	D
49*	Force loading test	DIN 21530-4, cl. 4.1.3.2.2, 4.1.3.2.3	Steel mine studdles	D
50*	Force loading test	ČSN EN ISO 898-1, cl. 9.2, 9.7; ČSN EN ISO 898-2, cl. 9.1	Screws and nuts	D
51*	Force loading test	PN-G-15533, cl. 4.3.5	Mechanical legs	D
52*	Force loading test	PN-G-46696, cl. 3.6.4	Shackles	D
53*	Force loading test	ČSN EN ISO 1120, cl. 7	Mechanical joints of conveyor belts	D
54*	Force loading test	ČSN 02 3203; ČSN 02 3215:1987; DIN 22252; DIN 20637, cl. 8.4, 8.5; DIN 685-3, cl. 7.4, 7.6	Mine chains	D
55*	Force loading test	PP-42.01.03 (PN-G-15541, PN-G-15542 PN-G-15543 PN-G-15544 PN-G-15545 ON 44 4418:1982)	Articulated steel mining joists	D
56*	Force loading test	SN EN 13155+A2, cl. 5.2.3.4.1	Permanent lifting magnets	D
57	Force load test with yield	ČSN 44 4410-4, cl. 5.1; STN 44 4410-4, cl. 5.1; PN-91 G-15000/11, cl. 2.4; DIN 21530-4, cl. 4.1.2.2.3; UNE 22725, cl. 4.2.2	Steel supports	D

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
58	Force load test with slippage	PN-G-15533 cl. 4.3.4, 4.3.6, 4.3.7	Mechanical legs	D
59	Determination of diameter	ČSN 02 4301:1974, cl. 32, 54, 55; ČSN EN 10218-2	Steel rope wires	-
60	Determination of tensile strength	ČSN 02 4301:1974, cl. 33, 34, 35, 54, 55; ČSN EN ISO 6892-1	Steel rope wires	-
61	Enumeration of bends	ČSN 02 4301:1974, cl. 36, 54, 55; ČSN ISO 7801	Steel rope wires	-
62	Enumeration of twists	ČSN 02 4301:1974, cl. 37, 54, 55; ČSN ISO 7800	Steel rope wires (up to wire Ø 5mm)	-
63	Determination of total bearing capacity	ČSN 02 4301:1974, cl. 39, 40, 41, 43, 44; ČSN EN 12385-1+A1, cl. 6.4	Steel wire linear ropes	-
64	Determination of diameter	ČSN 02 4301:1974, cl. 31; ČSN EN 12385-1+A1, cl. 6.3	Steel wire ropes and ropes with eyes	-
65	Determination of actual load-bearing capacity	ČSN 02 4481:1981, cl. 21; ČSN EN 13411-3+A1, cl. 6.2; ČSN 02 4468, cl. 5	Steel ropes with eyes	-
66	Determination of dimensions	ČSN 02 4481:1981, cl. 25, 26; ČSN EN 13411-3+A1, cl. 5.3.3.2	Eyes of steel wire ropes	-
67	Determination of overlap	ČSN 02 4481:1981, cl. 10; ČSN EN 13411-3+A1, cl. 5.3.3.2, 6.11	Ferrules of wire ropes with eyes	-
68	Determination of dimensions	ČSN 02 4481:1981, cl. 23, 24; ČSN EN 13411-3+A1, cl. 5.3.5, 6.11	Sleeves of wire ropes with eyes	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
69*	Measurement of dimensions of work stations, seats and human physical dimensions of operators	ČSN EN ISO 3411; ČSN EN ISO 2860; Gov. Reg. No. 361/2007 Coll., Annex No. 8 and 9	Mobile working machines, stationary machines and equipment	-
70*	Determination of position, dimensions and shape of control actuators and indicators	Gov. Reg. No. 361/2007 Coll., Annex No. 8 and 9 ČSN EN 894-3+A1; ČSN EN 894-2+A1	Mobile working machines, stationary machines and equipment	-
71*	Operating force measurement	PP-42.04.07 (ČSN EN 894-3+A1); Gov. Reg. No. 361/2007 Coll., Annex No. 8 and 9	Mobile working machines, stationary machines and equipment	-
72	Determination of mass of components	ČSN 44 4410-2, cl. 4.1	Mining steel reinforcement assemblies	-
73	Determination of weight of parts	ČSN 44 4410-1, cl. 5.1; STN 44 4410-1, cl. 5.1	Profile bars	-
74	Determination of weight of parts	PP-42.01.02, cl. 4.2.4 (ON 44 4418:1982)	Articulated steel mine joists	-
75*	Measurement of dimensions	ČSN 44 4410-1, cl. 5.2; STN 44 4410-1, cl. 5.2	Profile bars	-
76*	Measurement of dimensions	ČSN 44 4410-2, cl. 4.2, 4.3, 4.4	Mining steel reinforcement assemblies	-
77*	Measurement of dimensions	ČSN 44 4410-3, cl. 4.1	Connecting parts	-
78*	Measurement of dimensions	DIN 22252, cl. 6.4.1; DIN 20637, cl. 8.3; DIN 685-3, cl. 7.3	Chains	-
79*	Measurement of dimensions	PP-42.01.02, cl. 4.2.3 (ON 44 4418:1982)	Articulated steel mine joists	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
80*	Test of the temperature of parts in contact with the operator	ČSN EN ISO 13732 -1, cl. 5.4	Mobile working machines, stationary machines and equipment	-
81*	Temperature rise test	PP-42.03.10 (ČSN EN 60034-1)	Stationary machines and equipment	-
82*	Non-destructive testing – ultrasonic method	PP - 42.06.01 (ČSN EN ISO 11666; ČSN EN ISO 23279; ČSN EN ISO 17640; ČSN EN ISO 16810; ČSN EN 10160; ČSN EN 10228-3; ČSN EN 10228-4; ČSN EN ISO 10893-8; ČSN EN 10306; ČSN EN 10307; ČSN EN 10308); PP - 42.06.31 (ČSN EN ISO 16810; ČSN EN 10228-3)	Metal materials and metal pins	-
83*	Non-destructive testing – magnetic method	PP - 42.07.01 (ČSN EN 1369; ČSN EN ISO 9934-1; ČSN EN 10228-1; ČSN EN ISO 10893-5; ČSN EN ISO 17638; ČSN EN ISO 23278; ČSN EN ISO 3059)	Metallic materials	-
84*	Non-destructive testing – liquid penetrant method	PP - 42.08.01 (ČSN EN ISO 23277; ČSN EN ISO 3452-1; ČSN EN 1371-1; ČSN EN 1371-2; ČSN EN 10228-2; ČSN EN ISO 10893-4; ČSN EN ISO 3059)	Metallic and non-metallic materials	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
85	Load tests	CONSOL Inc./rev. 1994 - Section B	Mechanised reinforcement section	-
86	Design measurement	CONSOL Inc./rev. 1994 - Section C; ČSN EN 1804-1, Annex B; EN 1804-1, Annex B	Roof support	-
87	Charpy pendulum impact test	ČSN ISO 148-1	Metallic materials	-
88	Load tests	GOST 31561, cl. 13.1, 13.5, 13.11, 13.12, 13.13, 13.14, 13.15, 13.16, 13.17, 13.20, 13.21, 13.22	Mechanised reinforcement section	-
89	Test for resistance to simulated solar radiation	DIN 75220; PV 1211; PR 306.4; MIL-STD-810G, Meth. 505.5 Procedure II; VDA 230-219	Mechanical and electrotechnical parts and assemblies	-
90	Environmental testing	ČSN EN 60068-2-1; ČSN EN 60068-2-2; ČSN EN 60068-2-14; ČSN EN 60068-2-67; ČSN EN 60068-2-78; PV 1200; PV 2005, variant A;	Mechanical and electrotechnical parts and assemblies, surface coatings and protections	-

2. Workplace Čermná ve Slezsku

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1	Environmental testing	ČSN EN 60068-2-1; ČSN EN 60068-2-2;	Mechanical and electrotechnical parts and assemblies,	-

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Certificate of Accreditation No. 262/2023 of 30/05/2023**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

TECHNICKÉ LABORATOŘE OPAVA, akciová společnost

CAB number 1322, Testing Laboratory
Těšínská 2962/79b, Předměstí, 746 01 Opava

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
		ČSN EN IEC 60068-2-11; ČSN EN 60068-2-14; ČSN EN 60068-2-30; ČSN EN 60068-2-38; ČSN EN IEC 60068-2-52; ČSN EN 60068-2-67; ČSN EN 60068-2-78; ČSN EN ISO 9227; LV 124, p. 9.1, K-01; LV 124, p. 9.2, K-02; LV 124, p. 9.3, K-03; LV 124, p. 9.4, K-04; LV 124, p. 9.6, K-06; LV 124, p. 9.7, K-07; LV 124, p. 9.8, K-08; LV 124, p. 9.9, K-09; LV 124, p. 9.14, K-014;	surface coatings and protections	
2	Environmental testing	PV 1200; PV 1209; PV 1210; PV 2005, variant A; GMW 3286; GMW 14124, cycle M	Road vehicle components	-
3	Environmental testing	ČSN EN ISO 6270-2; ČSN EN ISO 11997-1; Qualicoat bod. 2.4.2.; Qualicoat bod. 2.11	Paints and varnishes	-
4	Environmental testing	ČSN EN ISO 16701	Corrosion of metals and alloys	-
5	Environmental testing	ČSN 34 5791-2-11	Electrotechnical and electronic products.	-
6	Free fall test	LV 124, p. 8.1, M-01	Mechanical properties of the object	-
7	Durability test	LV 124, p. 11.1, L-01; LV 124, p. 11.2, L-02; LV 124, p. 11.3, L-03	Mechanical and electrotechnical parts and assemblies	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
8	Rating of test specimens and manufactured articles subjected to corrosion tests	ČSN EN ISO 10289	Metallic and other inorganic coatings	-
9	Determination of thickness	ČSN EN ISO 2808, met 7C; ČSN EN ISO 2178; p. 4.4	Coatings and protective coatings, inorganic, metallic and other coatings	-
10	Determination of the degree of degradation	ČSN EN ISO 4628-1; ČSN EN ISO 4628-2; ČSN EN ISO 4628-3; ČSN EN ISO 4628-4; ČSN EN ISO 4628-5; ČSN EN ISO 4628-6; ČSN EN ISO 4628-8; ČSN EN ISO 4628-10	Paints and varnishes and organic coatings; metallic and other inorganic coatings	-
11	Cross-cut test	ČSN EN ISO 2409	Paints and varnishes	-
12	Rapid deformation test (impact resistance)	ASTM D 2794	Paints and varnishes	-
13	Determination of gloss value at 60°	ČSN EN ISO 2813	Paints and varnishes without metal pigments	-
14	Cupping test	ČSN EN ISO 1520	Paints and varnishes	-
15	Bend test (cylindrical mandrel)	ČSN EN ISO 1519	Paints and varnishes	-
16	Determination of resistance to filiform corrosion	ČSN EN ISO 4623-2	Paints and varnishes	-

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises; the numerical index at the test ordinal number identifies the location carrying out the test (the identification of the locations is given on the first page of this document)

² 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)

³ degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

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Explanations:

PP	Internal Working Procedure of the Testing Laboratory
GR	Government Regulation
PR	BMW Group test procedure
PN	Polish standard
DIN	German standard
UNE	Spanish standard
PV	Volkswagen Group test procedure
ASTM	American Society for Testing and Materials
LV	Standard for testing electrical and electronic components in motor vehicles
GMW	General- Motors Worldwide Engineering Standards
CONSOL	Test and Inspection Requirements for Mechanized Reinforcements prepared by CONSOL Inc. Maintenance Engineering Department
Qualicoat	Qualicoat standard for Qualicoat certification testing
GOST	Russian standard
VDA	German Automotive Industry Technical Standard
MIL-STD	U.S. Department of Defense Test Methods Standard