



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 226

Sofia, 08.07.2025

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies and EA BAS order reg. № A 225/08.07.2025, I hereby

AMEND

EA BAS order reg. № A 62/31.01.2023

**CENTER FOR TESTING AND EUROPEAN CERTIFICATION EOOD
LABORATORY FOR TESTING MACHINES, EQUIPMENT AND DEVICES**

Management address: 6000 Stara Zagora, Industrialen Quarter, 2, Industrialna Str.

Laboratory address: 6000 Stara Zagora, Industrialen Quarter, 2, Industrialna Str.

To perform testing of:

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
1.	Machinery, equipment and devices Hand and portable instruments (tools)	1.1 Sound pressure level	БДС EN ISO 11201 БДС EN ISO 11202+A1 БДС EN ISO 11203+A1 БДС EN ISO 11204 БДС EN ISO 22868, cl. 5, Annex A БДС 16056 БДС EN ISO 9902-1+A1+A2, cl. 6 БДС EN 12545+A1 БДС EN 12053+A1, cl.6.3.1 БДС EN ISO 20361+A11, cl. 6, cl.7, cl. 8 БДС EN ISO 1680 БДС EN 60745-1, cl.6.1 БДС EN 62841-1+AC+A11, Annex I БДС EN 60745-2-13+A1, cl. 6 БДС EN 61029-1+A11+A12, cl. 13.2 БДС EN ISO 2151 БДС EN 60076-10 БДС EN ISO 15744 БДС ISO 7960 БДС EN 1870-5+A2 cl.5.3.2 БДС 15471 БДС ISO 8297
		1.2 Sound power levels	БДС EN ISO 3744

Type of the scope: flexible

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			БДС EN ISO 3746 БДС EN ISO 22868, cl.5, Annex A, B БДС EN 12545+A1 БДС EN 12053+A, cl.6.3.2 БДС EN ISO 20361+A11, cl.5, 7, 8 БДС EN ISO 1680 БДС EN 60745-1, cl.6.1 БДС EN 62841-1+AC+A11, Annex I БДС EN 60745-2-13+A1, cl.6, Annex A БДС EN 61029-1+ A11+A12, cl.13.2 БДС EN ISO 2151 БДС EN 60076-10 БДС ISO 7960 БДС EN ISO 15744 БДС EN 1870-5+A2, cl.5.3.2 БДС ISO 8297
		1.3 Vibrations	БДС EN ISO 5349-1 БДС EN ISO 5349-2+A1 БДС EN 1032+A1 БДС EN ISO 20643+A1 БДС 11663, cl. 2.2 БДС ISO 20816-1 БДС EN 10326-1 БДС EN ISO 7096 БДС EN ISO 2631-1 БДС EN ISO 28927-10 БДС EN 13059+A1 БДС EN 60745-1, cl.6.2 БДС EN 62841-1+AC+A11, Annex I БДС EN 60745-2-13+A1, cl. 6.2, Z 101 БДС EN ISO 22867
		1.4 Temperature (Heating)	БДС EN IEC 60974-1, cl. 7 БДС EN 60745-1, cl. 12 БДС EN 62841-1+AC+A11, cl. 12 БДС EN 61029-1+A11+A12 and part 2, cl. 11
		1.5 Resistance to abnormal heat. Ball pressure test method (Resistance to heat)	БДС EN 60695-10-2 БДС EN 60745-1, cl.29.1 БДС EN 62841-1+AC, cl. 13.1 БДС EN 61029-1+A11+A12, cl.28.1, 28.2
		1.6 Resistance to flammability and fire.	БДС EN 60695-2-10 БДС EN 60695-2-11 БДС EN 60695-2-12+A1

Type of the scope: flexible

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
		Glow-wire flammability test method	БДС EN 60695-2-13+A1 БДС EN 60745-1, cl. 29.2 БДС EN 62841-1+AC+A11, cl.13.2
		1.7 Resistance to flammability and fire. Needle-flame test method	БДС EN 60695-11-5
		1.8 Illuminance	БДС EN 1837
		1.9 Protection against ingress of foreign bodies and moisture resistance. (IP-code)	БДС EN 60529+A1 БДС EN IEC 60034-5 БДС EN 60745-1, cl. 14 БДС EN 62841-1+AC+A11, cl. 14.2
		1.10 Continuity of the protective bonding circuit (Provision for earthing) (Resistance between the earthing terminal and accessible parts)	БДС EN 60204-1, cl. 18.2.2(1) БДС EN 60204-32, cl. 18.2.2(1) БДС EN IEC 60974-1, cl. 10.5 БДС EN 60745-1, cl. 26 БДС EN 62841-1+AC+A11, cl. 26 БДС EN 61029-1+A11+A12 and Part 2, cl. 25
		1.11 Fault loop impedance	БДС EN 60204-1, cl. 18.2.2(2) БДС EN 60204-32, cl. 18.2.2(2)
		1.12 Insulation resistance	БДС EN 60204-1, cl. 18.3 БДС EN 60204-31, cl. 18.3 БДС EN 60204-32, cl. 18.3 БДС EN 61029-1+A11+A12 and Part 2, cl. 15.2 БДС EN IEC 60974-1, cl. 6.1.4
		1.13 Electric strength /Voltage tests (Dielectric strength of the insulation)	БДС EN 60204-1, cl. 18.4 БДС EN 60204-31, cl. 18.4 БДС EN 60204-32, cl. 18.4 БДС EN IEC 60974-1, cl. 6.1.5 БДС EN 61439-1, cl. 10.9.2 БДС EN 61180 БДС EN 60745-1, cl. 15 БДС EN 62841-1+AC+A11, Annex D БДС EN 61029-1+A11+A12 and Part 2, cl. 15.3
		1.14 Protection against residual voltages	БДС EN 60204-1, cl. 18.5 БДС EN 60204-32, cl. 18.5 БДС EN IEC 60974-1, cl. 6.2.3 БДС EN 60745-1, cl. 21.21 БДС EN 62841-1+AC+A11, cl. 21.21 БДС EN 61029-1+A11+A12 and Part 2, cl. 8.6
		1.15 Creepage distances, clearances and distances through insulation	БДС EN IEC 60664-1+AC БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			+A15, cl. 29 БДС EN IEC 60974-1, cl. 6.1.2, 6.1.3 БДС EN 60745-1, cl. 28 БДС EN 62841-1+AC+A11, cl. 28 БДС EN 61029-1+A11+A12 and Part 2, cl. 27
		1.16 Voltage	БДС EN 60204-1+A1, cl. 9.4.3 БДС EN 60204-31, cl. 7.5 БДС EN 60204-32, cl. 9.4.3 БДС EN IEC 60974-1, cl. 10.1, 11.1 БДС EN 60335-1+A11+AC+A12 +A13+A1+A2+A14 +A15, cl. 10 БДС EN 60745-1, cl. 5.7.2 БДС EN 62841-1+AC+A11, cl. 11 БДС EN 61029-1+A11 +A12 and Part 2, cl. 10
		1.17 Power input	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2 +A14+A15, cl. 10 БДС EN 60745-1, cl. 11 БДС EN 62841-1+AC+A11, cl. 11 БДС EN 61029-1+A11+A12 and Part 2, cl. 10
		1.18 Current	БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14 +A15, cl. 10 БДС EN IEC 60974-1, cl. 7 БДС EN 60745-1, cl. 11 БДС EN 62841-1+AC+A11, cl. 11 БДС EN 61029-1+A11+A12, cl. 10
		1.19 Leakage current	БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14 +A15, cl. 13.2, 16.2 БДС EN IEC 60974-1, cl. 6.3.6 БДС EN 60745-1, cl. 13 БДС EN 62841-1+AC+A11, Annex C БДС EN 61029-1+A11+A12 and Part 2, cl. 12
		1.20 Touch current, protective conductor current	БДС EN 60990
		1.21 Environmental testing - Test A: Cold	БДС EN 60068-2-1
		1.22 Environmental testing - Test B: Dry heat	БДС EN 60068-2-2

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
		1.23 Environmental testing - Test N: Change of temperature	БДС EN 60068-2-14
		1.24 Environmental testing - Test Cab: Damp heat, steady state	БДС EN 60068-2-78
		1.25 Environmental testing - Test Db: Damp heat, cyclic	БДС EN 60068-2-30
		1.26 Environmental testing - Test Eh: Hammer tests Degrees of protection against external mechanical impacts (IK code)	БДС EN 60068-2-75 БДС EN 62262+A1 БДС EN 50102
		1.27 Mechanical strength	БДС EN 60745-1, cl. 20 БДС EN 62841-1+AC+A11, cl. 20
		1.28 Resistance to bending, tensile and torsional for power cords	БДС EN 60745-1 cl. 24.12, cl. 24.13, cl. 24.14 БДС EN 62841-1+AC+A11, cl. 24 БДС EN 61029-1+A11+A12 and Part 2, cl. 23.5, cl. 23.6
2.	Electric and electronic equipment, appliances, devices, apparatus, equipment and systems	2.1 Protection against ingress of foreign bodies and moisture resistance. (IP-code)	БДС EN 60529+A1 БДС EN IEC 60034-5
		2.2 Environmental testing - Test Eh: Hammer tests Degrees of protection against external mechanical impacts (IK code)	БДС EN 60068-2-75 БДС EN 62262+A1 БДС EN 50102
		2.3 Resistance to heat (Resistance to abnormal heat - Ball pressure test method)	БДС EN 60695-10-2
		2.4 Resistance to flammability and fire. (Glow-wire flammability test method)	БДС EN 60695-2-10 БДС EN 60695-2-11 БДС EN 60695-2-12 +A1 БДС EN 60695-2-13 +A1
		2.5 Resistance to flammability and fire. (Needle-flame test method)	БДС EN 60695-11-5
		2.6 Resistance to tracking	БДС EN IEC 60112 БДС 7230

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
		2.7 Electric strength of the insulation	БДС EN 61180
		2.8 Creepage distances, clearances and distances through insulation	БДС EN IEC 60664-1+AC
		2.9 Touch current, protective conductor current	БДС EN 60990
		2.10 Environmental testing - Test A: Cold	БДС EN 60068-2-1
		2.11 Environmental testing - Test B: Dry heat	БДС EN 60068-2-2
		2.12 Environmental testing - Test N: Change of temperature	БДС EN 60068-2-14
		2.13 Environmental testing - Test Cab: Damp heat, steady state	БДС EN 60068-2-78
		2.14 Environmental testing - Test Db: Damp heat, cyclic	БДС EN 60068-2-30
		2.15 Electromagnetic compatibility	БДС EN 12015 БДС EN 12016 БДС EN 60974-10+A1
		2.16 Disturbance voltages	БДС EN 55016-2-1+A1+AC БДС EN 55011+A1+A11+A2, cl. 7, 8.2 БДС EN 55032+AC+A11+A1, cl. 6.3 БДС EN IEC 55014-1, cl. 5 БДС EN IEC 55015+A11, cl. 8
		2.17 Disturbance power	БДС EN 55016-2-2 БДС EN IEC 55014-1, cl. 6
		2.18 Radiated electromagnetic disturbances	БДС EN IEC 55015+A11, Annex B
		2.19 Harmonic current emissions	БДС EN IEC 61000-3-2+A1
		2.20 Voltage fluctuations and flicker	БДС EN 61000-3-3+A1+A2
		2.21 Electrostatic discharge immunity	БДС EN 61000-4-2
		2.22 Pulse magnetic field immunity	БДС EN 61000-4-8
		2.23 Voltage dips, short interruptions and voltage variations immunity	БДС EN IEC 61000-4-11+AC

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
3.	Household and similar electrical appliances and automatic electrical controls for them	3.1 Protection against access to live parts	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2+A14+A15 and Part 2, cl. 8 БДС EN 60730-1+A1+A2 and Part 2, cl. 8
		3.2 Power input	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2+A14+A15 and Part 2, cl. 10
		3.3 Current	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2 +A14+A15 and Part 2, cl. 10
		3.4 Heating / Temperature under normal and abnormal operation	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2+A14+A15 and Part 2, cl. 11,17,19 БДС EN 60730-1+A1+A2 and Part 2, cl. 14, 27
		3.5 Leakage current	БДС EN 60335-1+A11+AC +A12 +A13+A1+A2+A14+A15, and Part 2, cl. 13.1, 13.2, 16.1, 16.2 БДС EN 60730-1+A1+A2 and Part 2, cl. 13.3
		3.6 Touch current	БДС EN 60990
		3.7 Protection against ingress of foreign bodies and moisture resistance. (IP-code)	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2+A14+A15, and relevant Part 2, cl. 15 БДС EN 60730-1+A1+A2 and Part 2, cl. 12 БДС EN 60529+A1
		3.8 Insulation resistance	БДС EN 60730-1+A1+A2 and Part 2, cl. 13.1
		3.9 Electric strength of the insulation	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2 +A14+A15 and Part 2, cl. cl. 13.3, 16.3 БДС EN 60730-1+A1+A2 and Part 2, cl. 13.2
		3.10 Protection against residual voltages	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2+A14+A15 and Part 2 cl. 22.5
		3.11 Mechanical strength and stability	БДС EN 60335-1+A11+AC+A12+ A13+A1+A2 +A14+A15, and Part 2, cl. 21 БДС EN 60730-1+A1+A2 and relevant Part 2, cl. 18
		3.12 Resistance to force and torque	БДС EN 60335-1+A11+AC+A12 +A13+A1+A2+A14+A15 and Part 2, cl. 22.3, 22.11, 28.1

Type of the scope: flexible

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			БДС EN 60730-1+A1+A2 and relevant Part 2, cl. 19.1
		3.13 Resistance to bending, tensile and torsional for power cords	БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14+A15 and Part 2, cl. 22.15 БДС EN 60730-1+A1+A2 and Part 2, cl. 11.7
		3.14 Provision for earthing (Resistance between the earthing terminal and accessible parts)	БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14+A15 and Part 2, cl. 27 БДС EN 60730-1+A1+A2 and Part 2, cl. 9
		3.15 Creepage distances, clearances and distances through insulation	БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14+A15 and Part 2, cl. 29 БДС EN 60730-1+A1+A2 and Part 2, cl. 20
		3.16 Electromagnetic compatibility	БДС EN IEC 55014-1 БДС EN IEC 55014-2 БДС EN IEC 61000-3-2+A1 БДС EN 61000-3-3+A1+A2 БДС EN 60730-1+A1+A2, cl. 23, H26 БДС EN 55032 +AC+A11+A1, cl. 6.3
		3.17 Resistance to heat (Resistance to abnormal heat - Ball pressure test method)	БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14+A15 and Part 2, cl. 30.1 БДС EN 60730-1+A1+A2 and Part 2, cl. G.5 БДС EN 60695-10-2
		3.18 Resistance to flammability and fire. (Glow-wire flammability test method)	БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14+A15 and relevant Part 2, cl. 30.2 БДС EN 60730-1+A1+A2 and relevant Part 2, cl. 21.2 БДС EN 60695-2-10 БДС EN 60695-2-11 БДС EN 60695-2-12+A1 БДС EN 60695-2-13+A1
		3.19 Resistance to flammability and fire. (Needle-flame test method)	БДС EN 60335-1+A11+AC+A12+A13+A1+A2+A14+A15, and relevant Part 2, cl. 30.2.4, Annex E БДС EN 60695-11-5
		3.20 Resistance to tracking	БДС EN 60335-1+A11+AC+A12+A13

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			+A1+A2+A14+A15, and Part 2, Annex N БДС EN 60730-1+A1+A2 and Part 2, cl. 21.2.7 БДС EN IEC 60112 БДС 7230
4.	Luminaires	4.1 Protection against electric shock 4.2 Protection against residual voltages 4.3 Humidity resistance 4.4 Protection degree (IP-code) 4.5 Insulation resistance 4.6 Electric strength of the insulation 4.7 Protective conductor current 4.8 Touch current 4.9 Provision for earthing (Resistance between the earthing terminal and accessible parts) 4.10 Creepage distances, clearances and distances through insulation 4.11 Check the pulse ignition 4.12 Electromagnetic compatibility 4.13 Heating (Temperature) under normal and abnormal operation 4.14 Endurance 4.15 Resistance to overturned 4.16 Mechanical strength Impact energy: - from spring hammer - from pendulum	БДС EN 60598-1+AC+AC+A1, cl. 8 БДС EN 60598-1+AC+AC+A1, cl. 8.2.7 БДС EN 60598-1+AC+AC+A1, cl. 9.3 БДС EN 60598-1+AC+AC+A1, cl. 9.2 БДС EN 60598-1+AC+AC+A1, cl. 10.2.1 БДС EN 60598-1+AC+AC+A1, cl. 10.2.2 БДС EN 60598-1+AC+AC+A1, cl. 10.3 БДС EN 60598-1+AC+AC+A1, cl. 10.3 БДС EN 60598-1+AC+AC+A1, cl. 7 БДС EN 60598-1+AC+AC+A1, cl. 11 БДС EN 60598-1+AC+AC+A1, cl. 4.4.5 БДС EN IEC 55015+A11 БДС EN 61547 БДС EN IEC 61000-3-2+A1 БДС EN 61000-3-3+A1+A2 БДС EN 60598-1+AC+AC+A1, cl. cl. 12.4, 12.5, 12.6,12.7 БДС EN 60598-1+AC+AC+A1, cl. 12.3 БДС EN 60598-2-4, cl. 4.6.3 БДС EN 60598-1+AC+AC+A1, cl. 4.13

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
		- from falling sphere - from rotating carousel - from falls from height	
		4.17 Resistance to force and torque: suspensions and means of adjustment (load mass, wind, consoles, brackets, etc.) lamp holders screws, mechanical connections and glands	БДС EN 60598-1+AC+AC+A1, cl. cl. 4.12, 4.14 БДС EN 60598-2-3 +A1, cl. 3.6.3 БДС EN 60598-2-5, cl. 5.6.5
		4.18 Resistance to tensile and torsional for power cords	БДС EN 60598-1+AC+AC+A1, cl. 5.2.10
		4.19 Resistance to vibrations	БДС EN 60598-1+AC+AC+A1, cl. 4.20
		4.20 Resistance to heat (Resistance to abnormal heat. Ball pressure test method)	БДС EN 60598-1+AC+AC+A1, cl. 13.2
		4.21 Resistance to flame and ignition (Resistance to flammability and fire. Glow-wire flammability test method)	БДС EN 60598-1+AC+AC+A1, cl. 13.3.2
		4.22 Resistance to flame and ignition (Resistance to flammability and fire. Needle-flame test method)	БДС EN 60598-1+AC+AC+A1, cl. 13.3.1
		4.23 Resistance to tracking	БДС EN 60598-1+AC+AC+A1, cl. 13.4
5.	Wiring devices, lamp holders, lamps and Lamps control gear	5.1 Protection against electric shock Protection against access to live parts	БДС EN 61347-1+A1 and the relevant Part 2, cl. 10.1 БДС EN IEC 60238+A1+A11+A2, cl. 9 БДС EN 60998-1, cl. 9 БДС EN IEC 61058-1, cl. 9 БДС EN 60669-1+AC+AC, cl. 10, cl. 6 БДС 17183, cl. 9.1 IEC 60884-1, cl. 10.2 БДС EN 61316, cl. 9 БДС EN 61242+A1+A2+A13, cl. 8 БДС EN 60670-1+A1, cl. 10

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
		5.2 Protection against residual voltages	БДС EN 61347-1+A1 and the relevant Part 2 cl. 10.2
		5.3 Humidity resistance	БДС EN 61347-1+A1 and the relevant Part 2 cl. 11 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 14.3 БДС EN 60998-1, cl. 12.2 БДС EN 61058-1, cl. 14.4 БДС EN 60669-1+AC+AC, cl. 15.3 БДС EN 60968+AC, cl. 7.1 БДС EN 62560+A1+AC+A11, cl. 8 БДС 17183, cl. 15.3 IEC 60884-1, cl. 16.3 БДС EN 61316, cl. 18.5 БДС EN 61242+A1+A2+A13, cl. 16 БДС EN 60670-1+A1, cl. 14.1
		5.4 Insulation resistance	БДС EN 61347-1+A1 and the relevant Part 2 cl. 11 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 14.4 БДС EN 60998-1, cl. 13.3 БДС EN 61058-1, cl.15.2 БДС EN 60669-1+AC+AC, cl. 16.1 БДС EN 61195+A1+A2, cl. 2.4 БДС EN 61199+A1+A2, cl. 2.4 БДС EN 60968+AC, cl. 7.1 БДС EN 62560+A1+AC+A11, cl. 8.2 БДС 17183, cl. 16.1 IEC 60884-1, cl. 17.2 БДС EN 61316, cl. 19.2 БДС EN 61242+A1+A2+A13, cl. 17.1 БДС EN 60670-1+A1, cl. 14.2
		5.5 Electric strength (Dielectric strength of the insulation)	БДС EN 61347-1+A1 and the relevant Part 2 cl. 12 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 14.4 БДС EN 60998-1, cl. 13.4 БДС EN 61058-1+A2, cl. 15.3 БДС EN 60669-1+AC+AC, cl. 16.2 БДС EN 61195 +A1+A2, cl. 2.5 БДС EN 61199 +A1+A2, cl. 2.5 БДС EN 60968 +AC, cl. 7.2 БДС EN 60598-1+AC+AC+A1, cl. 10.2.2 БДС 17183, cl. 16.2 IEC 60884-1, cl. 17.3 БДС EN 61316, cl. 19.3

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			БДС EN 61242+A1+A2+A13, cl. 17.2 БДС EN 60670-1+A1, cl. 14.3
		5.6 Provision for earthing (Resistance between the earthing terminal and accessible parts)	БДС EN 61347-1+A1 and the relevant Part 2 cl. 9 БДС EN IEC 61058-1, cl. 10.4 БДС EN 60669-1+AC+AC, cl. 11.4 БДС 17183, cl. 10.5 IEC 60884-1, cl. 11.5 БДС EN 61316, cl. 10.4 БДС EN 61242+A1+A2+A13, cl. 9.7 БДС EN 60670-1+A1, cl. 11.1
		5.7 Creepage distances, clearances and distances through insulation	БДС EN 61347-1+A1, and the relevant Part 2 cl. 16 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 17 БДС EN 60998-1, cl. 17 БДС EN IEC 61058-1, cl. 20 БДС EN 60669-1+AC+AC, cl. 23 БДС EN 60669-2-1+A1+A12, cl. 23 БДС EN 61195+A1+A2, cl. 2.8 БДС EN 61199 +A1+A2, cl. 2.8 БДС 17183, cl. 2.6 IEC 60884-1, cl. 27 БДС EN 61242+A1+A2+a13, cl. 2.4
		5.8 Check the pulse ignition	БДС EN 61347-2-1 +A1 +A2, cl. 16
		5.9 Electromagnetic compatibility	БДС EN IEC 55015+A11 БДС EN 61547 БДС EN IEC 61000-3-2+A1 БДС EN 61000-3-3+A1+A2 БДС EN 60669-2-1+A1+A12
		5.10 Dimensions (Interchangeability)	БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 8 БДС EN 60669-1+AC+AC, cl. 9 БДС EN 61195+A1+A2, cl. 2.3.2 БДС EN 60968+AC, cl. 5.1 БДС EN 62560+A1+AC+A11, cl. 6.1 БДС 17183, cl. 8 IEC 60884-1, cl. 9
		5.11 Voltage	БДС EN 61347-1 +A1 and the relevant Part 2 cl. 20, H.2
		5.12 Breaking capacity	БДС EN 60669-1+AC+AC, cl. 18, cl. 19 БДС EN 60669-2-1+A1+A12, cl.18, 19

Type of the scope: flexible

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			БДС EN 60669-2-3, cl. 18, 19 БДС 17183, cl. 19, 20 IEC 60884-1, cl. 20, cl. 21
		5.13 Temperature (Heating) (under normal and abnormal operation)	БДС EN 60998-1, cl. 15 БДС EN IEC 61058-1, cl. 16 БДС EN 60669-1+AC+AC, cl. 17 БДС EN 60669-2-1+A1+A12, cl. 17 БДС EN 61195+A1+A2, cl. 2.9 Annex B БДС EN 61199+A1+A2, cl. 2.9 БДС EN 60968+AC, cl. 9 БДС EN 62560+A1+AC+A11, cl. 10 БДС 17183, cl. 18 IEC 60884-1, cl. 19 БДС EN 61316, cl. 22 БДС EN 61242+A1+A2+A13, cl. 19, 20
		5.14 Thermal endurance (Resistance to heat)	БДС EN 61347-1+A1 and the relevant Part 2 cl. 13 БДС EN 60998-1, cl. 16.2 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 19
		5.15 Mechanical strength Impact energy: - from spring hammer - from pendulum - from falling sphere - from rotating carousel - from falls from height	БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 15 БДС EN 60998-1, cl. 14 БДС EN IEC 61058-1, cl. 18.2 БДС EN 60669-1+AC+AC, cl. 20.1 БДС 17183, cl. 23 IEC 60884-1, cl. 24 БДС EN 61316, cl. 24 БДС EN 61242+A1+A2+A13, cl. 21 БДС EN 60670-1+A1, cl. 15
		5.16 Resistance to tensile and torsional for power cords and wires	БДС 17183, cl. 22 IEC 60884, cl. 23 БДС EN 61316, cl. 23 БДС EN 61242+A1+A13, cl. 11
		5.17 Resistance to force and torque for screws, mechanical connections and cables	БДС EN 61347-1 +A1 and the relevant Part 2 cl. 17 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 15.2 БДС EN 61058-1, cl. 18.2, 18.4, 19.2.4, 19.2.5 БДС EN 60669-1+AC+AC, cl.12.2.5, 12.2.6, 20.3, 20.9 БДС EN 61195+A1+A2, cl. 2.3 БДС EN 61199+A1+A2, cl. 2.3 БДС EN 60968+AC, cl. 8 БДС EN 62560+A1+AC+A11, cl. 9

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			БДС 17183, cl. 11.2.6 IEC 60884-1, cl. 12.2.6
		5.18 Resistance to heat (Resistance to abnormal heat - Ball pressure test method)	БДС EN 61347-1+A1 and the relevant Part 2 cl. 18.1 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 20.1 БДС EN 60998-1, cl. 16.3 БДС EN 60669-1+AC+AC, cl. 15.1, cl. 21 БДС EN 61195+A1+A2, cl. 2.7.2 БДС EN 61199+A1+A2, cl. 2.7.2 БДС EN 60968+AC, cl. 10 БДС EN 62560+A+AC+A11, cl. 11 БДС 17183, cl. 24 IEC 60884-1, cl. 25 БДС EN 61242+A1+A2+A13 cl. 22 БДС EN 60670-1+A1, cl. 16
		5.19 Resistance to flame and ignition (Resistance to flammability and fire. Glow-wire flammability test method)	БДС EN 61347-1+A1, and the relevant Part 2 cl. 18.3. БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 20.3 БДС EN 60998-1, cl. 18 БДС EN IEC 61058-1, cl. 21, Annex C БДС EN 60669-1+AC+AC, cl. 24.1.1 БДС EN 61195+A1+A2, cl. 2.7.4 БДС EN 61199+A1+A2, cl. 2.7.4 БДС EN 60968+AC, cl. 11 БДС EN 62560+A1+AC+A11, cl. 12 БДС 17183, cl. 27.1 IEC 60884-1, cl. 28.1 БДС EN 61242+A1+A2+A13, cl. 25.1 БДС EN 60670-1+A1, cl. 18
		5.20 Resistance to flame and ignition (Resistance to flammability and fire. Needle-flame test method)	БДС EN 61347-1+A1 and the relevant Part 2 cl. 18.4 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 20.4
		5.21 Resistance to tracking	БДС EN 61347-1+A1 and the relevant Part 2 cl. 18.5 БДС EN IEC 60238+A1+A11+A2, cl. 9, cl. 20.5 БДС EN 60998-1, cl. 19 БДС EN 61058-1+A2, Annex D БДС 17183, cl. 27.2 IEC 60884-1, cl. 28.2

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			БДС EN 61242+A11+A12+A1, cl. 25.2 БДС EN 60670-1+A1, cl. 19
6.	Electrical equipment for measurement, control, laboratory use and Information technology equipment. Audio, video and similar electronic apparatus	6.1 Protection from electric shock and energy hazards (Protection against access to live parts)	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.2 БДС EN IEC 62368-1+AC+A11, cl. 5.3.2, Annex V
		6.2 Protection against residual voltages	БДС EN 61010-1+A1 and the relevant Part 2 cl. 6.3, cl. 6.6.2
		6.3 Humidity resistance	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.8.2 БДС EN IEC 62368-1+AC+A11, cl. 5.4.8
		6.4 Electric strength of the insulation	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.8.3 БДС EN IEC 62368-1+AC+A11, cl. 5.4.9
		6.5 Protective earthing Protective impedance (Protective earthing conductors and protective bonding conductors)	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.5.4 БДС EN IEC 62368-1+AC+A11, cl. 5.6
		6.6 Creepage distances, clearances and distances through insulation	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.7 БДС EN IEC 62368-1+AC+A11, cl.5.4.2, cl. 5.4.3, cl. 5.4.4
		6.7 Voltage	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.3.1 a) БДС EN IEC 62368-1+AC+A11, cl. 5.2.2, cl. 5.4.1.8
		6.8 Current	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.3.1 b) БДС EN IEC 62368-1+AC+A11, cl. 5.2.2
		6.9 Electromagnetic compatibility	БДС EN 61326-1+A1 БДС EN 50270+AC БДС EN 55011+A1+A11+A2, cl. 7, cl. 8.2 БДС EN 55032+AC+A11+A1 БДС EN 55035+A11 БДС EN IEC 61000-3-2+A1 БДС EN 61000-3-3+A1+A2
		6.10 Temperature	БДС EN 61010-1+A1 and the relevant Part 2, cl. 10.1, cl. 10.2, cl. 10.3, cl. 10.4 БДС EN IEC 62368-1+AC+A11, cl. 5.4.1.4

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
		6.11 Mechanical strength: Static test Impact test: - from pendulum - from falling sphere - from falls from height	БДС EN 61010-1+A1 and the relevant Part 2 cl. 7, cl. 8 БДС EN IEC 62368-1+AC+A11, Annex T
		6.12 Resistance to force and torque for screws, mechanical connections and cables	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.5.1.2
		6.13 Resistance to tensile and torsional for power cords and wires	БДС EN 61010-1+A1 and the relevant Part 2, cl. 6.10.2 БДС EN IEC 62368-1+AC+A11, Annex G.7.3
		6.14 Resistance to heat (Resistance to abnormal heat - Ball pressure test method)	БДС EN 61010-1+A1 and the relevant Part 2, cl. 10.5 БДС EN IEC 62368-1+AC+A11, cl. 5.4.1.10.3
		6.15 Resistance to flame and ignition (Resistance to flammability and fire. Needle-flame test method)	БДС EN IEC 62368-1+AC+A11, cl. 6.4
7.	Power transformers, power supply units and similar devices	7.1 Protection against electric shock (Protection against contact with hazardous live parts)	БДС EN IEC 61558-1 and the relevant Part 2, cl. 9.1
		7.2 Protection against hazardous electrical discharge	БДС EN IEC 61558-1 and the relevant Part 2, cl. 9.2
		7.3 Output voltage and output current under load No-load output voltage Short-circuit voltage	БДС EN IEC 61558-1 and the relevant Part 2, cl. 11, cl. 12, cl. 13
		7.4 Electromagnetic compatibility	БДС EN 61204-3 БДС EN 62040-2
		7.5 Mechanical strength: Static test Impact test: - from spring hammer - from rotating carousel - from falls from height	БДС EN IEC 61558-1 and the relevant Part 2, cl. 16
		7.6 Resistance to force and torque for screws, mechanical connections and cables	БДС EN IEC 61558-1 and the relevant Part 2, cl. 25

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
		7.7 Current under load and short circuit	БДС EN IEC 61558-1 and the relevant Part 2, cl. 15
		7.8 Heating (Temperature) Short circuit and overload protection	БДС EN IEC 61558-1 and the relevant Part 2, cl. 14, cl. 15
		7.9 Protection against harmful ingress of dust, solid objects and moisture (Degrees of protection (IP code))	БДС EN IEC 61558-1 and the relevant Part 2, cl. 17.1
		7.10 Humidity resistance	БДС EN IEC 61558-1 and the relevant Part 2, cl. 17.2
		7.11 Insulation resistance	БДС EN IEC 61558-1 and the relevant Part 2, cl. 18.2
		7.12 Electric strength (Dielectric strength of the insulation)	БДС EN IEC 61558-1 and the relevant 2, cl. 18.3
		7.13 Touch current	БДС EN IEC 61558-1 and the relevant Part 2, cl. 18.5.1
		7.14 Protective conductor current	БДС EN IEC 61558-1 and the relevant Part 2, cl. 18.5.2
		7.15 Provision for earthing (Resistance between the earthing terminal and accessible parts)	БДС EN IEC 61558-1 and the relevant Part 2, cl. 24
		7.16 Creepage distances, clearances and distances through insulation	БДС EN IEC 61558-1 and the relevant Part 2 cl. 26
		7.17 Resistance to heat (Resistance to abnormal heat - Ball pressure test method) (Resistance to abnormal heat under fault conditions)	БДС EN IEC 61558-1 and the relevant Part 2 cl. 27.1, cl. 27.2
		7.18 Resistance to fire. (Resistance to flammability and fire. Glow-wire flammability test method)	БДС EN IEC 61558-1 and the relevant Part 2, cl. 27.3
		7.19 Resistance to tracking	БДС EN IEC 61558-1 and the relevant Part 2, cl. 27.4
8.	LOW-VOLTAGE SWITCHGEAR	8.1 Protection against electric shock and	БДС EN 61439-1, cl. 10.5.2 БДС EN 62208, cl. 9.10

Type of the scope: flexible			
No	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
	<p>AND CONTROLGEAR ASSEMBLIES Circuit breakers for overcurrent protection for household and similar installations. Residual current operated circuit-breakers. Low-voltage switchgear and controlgear. Miniature fuses for Low-voltage</p>	effectiveness of the protective circuit (Resistance between the earthing terminal and accessible parts)	
		8.2 Insulation resistance	<p>БДС EN 61439-1, cl. 11.9 БДС EN 60898-1, cl. 9.7.2 БДС EN 61008-1+A1+A2+A11+A12, cl. 9.7.2, cl. 9.7.4 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 9.7.2, cl. 9.7.4</p>
		8.3 Electric strength (Dielectric strength of the insulation)	<p>БДС EN 61439-1, cl. 10.9.2 БДС EN 62208, cl. 9.9 БДС EN 60898-1, cl. 9.7.3 БДС EN 60947-1 A1+A2, cl. 8.3.3.4 БДС EN 61008-1+A1+A2+A11+A12, cl. 9.7.3, cl. 9.7.4 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 9.7.3, cl. 9.7.4</p>
		8.4 Protection against harmful ingress of dust, solid objects and moisture (Degrees of protection (IP code))	<p>БДС EN 61439-1, cl. 10.3 БДС EN 62208, cl. 9.7</p>
		8.5 Creepage distances, clearances and distances through insulation	<p>БДС EN 61439-1, cl.8.3 БДС EN 60898-1, cl. 8.1.3 БДС EN 60947-1+A1+A2, cl. 8.3.3.4, Annex G БДС EN 61008-1+A1+A2+A11+A12, cl. 8.1.3 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 8.1.3</p>
		8.6 Temperature (Heating)	<p>БДС EN 61439-1, cl. 10.10 БДС EN 60898-1, cl. 9.8 БДС EN 60947-1+A1+A2, cl. 8.3.3.3 БДС EN 60269-1+A1+A2, cl. 8.3 БДС EN 61008-1+ A1+A2+A11+A12, cl. 9.8 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 9.8</p>
		8.7 Mechanical and electrical endurance	<p>БДС EN 60947-2+A1, cl. 8.3.3.3 БДС EN 60947-3+A1+A2, cl. 8.3.3.3 БДС EN 60947-4-1+AC+AC, cl. 8.2.4.1 БДС EN 60947-5-1+AC, cl.8.3.3.5.2</p>

Type of the scope: flexible

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
			БДС EN 60947-5-2+A1, cl. 8.5 БДС EN 60898-1, cl. 9.11 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 8.6
		8.8 Time-current characteristic	БДС EN 60898-1, cl. 9.10 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 9.9 БДС EN 60269-1+A1+A2, cl. 8.4.3.3
		8.9 Resistance to mechanical loads Mechanical strength: Static test - force Impact test: - from pendulum - from falls from height	БДС EN 61439-5+AC, cl. 10.2.101 БДС EN 62208, cl. 9.3, cl. 9.5, cl. 9.6 БДС EN 60898-1, cl. 9.13 БДС EN 60947-1+ A1+A2, cl. 8.2.7 БДС EN 61008-1+A1+A2+A11+A12, cl. 9.12 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 9.12
		8.10 Resistance to force and torque for screws, mechanical connections and cables	БДС EN 60898-1, cl. 9.4, cl. 9.5 БДС EN 60947-1+A1+A2, cl. 8.2.4 БДС EN 61008-1+A1+A2+A11+A12, cl. 9.4, cl. 9.5 БДС EN 61009-1+A1+A2+A11+A12+A13, cl.9.4, 9.5
		8.11 Resistance to heat (Resistance to abnormal heat - Ball pressure test method) (Resistance to abnormal heat under fault conditions)	БДС EN 62208, cl. 9.8.2 БДС EN 60898-1, cl. 9.14 БДС EN 61008-1+A1+A2+A11+A12, cl. 9.13 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 9.14
		8.12 Resistance to abnormal heat and fire. (Resistance to flammability and fire. Glow-wire flammability test method)	БДС EN 61439-1, cl. 10.2.3.2 БДС EN 62208, cl. 9.8.3 БДС EN 60898-1, cl. 9.15 БДС EN 60947-1+A1+A2, cl. 8.2.1.1 БДС EN 61008-1+A1+A2+A11+A12, cl. 9.14 БДС EN 61009-1+A1+A2+A11+A12+A13, cl. 9.15
		8.13 Electromagnetic compatibility	БДС EN 61439-1, Annex J БДС EN 60947-1+A1+A2, cl. 10.12
9.	Playground equipment and impact absorbing surfaces for playgrounds and sport	9.1 Impact attenuation of swing seats - peak values of acceleration - surface compression	БДС EN 1176-2+AC, cl. 4.6, Annex B
		9.2 Critical fall height	БДС EN 1177+AC

Type of the scope: flexible			
№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	5
		9.3 Loads	БДС EN 1176-1, Annex A, Annex B, Annex C
		9.4 Dimensions - linear - angular - incline	БДС EN 1176-1, cl. 4.2.3, cl. 4.2.4, cl. 4.2.5, cl. 4.2.6, cl. 4.2.7.5, cl. 4.2.7.6, cl. 4.2.8.2.3, cl. 4.2.8.5, cl. 4.9; cl. 4.2.12, cl. 4.2.13, cl. 4.2.14, cl. 4.2.15 БДС EN 1176-2+AC, cl. cl. 4.2, 4.3, 4.4.1, 4.6.2, 4.6.3, 4.10.2.2, 4.11, Annex B БДС EN 1176-3, cl. cl. 4.2, cl. 4.3, cl. 4.4, cl. 4.5, cl. 4.7, cl. 4.8, cl. 4.9.1 БДС EN 1176-4+AC, cl. 4.4, cl. 4.7, cl. 4.11, cl. 4.12, cl. 4.13, cl. 4.14, БДС EN 1176-5, cl. 4.2, 4.3, 4.5, 5 БДС EN 1176-6+AC, cl. 4.6, cl. 4.7, cl. 4.8, cl. 4.9, cl. 4.10, cl. 5 БДС EN 1176-10, cl. cl. 4.2.2.3, cl. 4.2.2.4, cl. 4.3.5.2, cl. 4.3.5.3, cl. 4.3.5.4, cl. 4.4.1.3, cl. 4.4.1.4, cl. 4.4.1.5, cl. 4.4.1.8, cl. 4.4.2.5, cl. 4.4.2.7, cl. 4.4.2.8, cl. 4.4.2.12, cl. 4.4.2.13, cl. 4.4.3.5, cl. 4.4.3.6, cl. 4.4.3.7, cl. 4.4.3.8 БДС EN 1176-11, cl. 4.1, cl. 4.2, cl. 4.3 БДС EN 1177, cl. 4.4.1.3, cl. 4.4.1.4, cl. 4.4.1.5
		9.5 Entrapment	БДС EN 1176-1, cl. cl. 4.2.7, 4.2.12.2, Annex D БДС EN 1176-3, cl. 4.4.3 БДС EN 1176-6+AC, Annex E
10.	Noise in the environment	10.1 Sound pressure levels Equivalent noise level Average noise level on the measurement loop Noise level at the impact site	БДС 15471 БДС ISO 8297 MOZMOSPP
		10.2 Sound power levels	БДС ISO 8297 MOZMOSPP

***Flexible scope:** Implementing a new version of standards/documents or standards/documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by the laboratory.

References:

MOZMOSPP - Methodology for determining the total sound power emitted by an industrial plant in the environment and determining the noise level at the site of impact (Order of the Minister of Environment and Water (RD-613/08.08.2012))

I ORDER

To issue the certificate of accreditation reg. № 101 ЛИ/08.07.2025, valid until 31.01.2027 and this order as an integral part of it.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 101 ЛИ/31.01.2023 and its enclosure – EA BAS order reg. № A 62/31.01.2023.

The Certificate of accreditation with the enclosure to be received by the Manager/ representative of Center for Testing and European Certification EOOD, the head of the Laboratory for Testing Machines, Equipment and Devices, or other authorized person in the office of EA BAS.

This order shall be notified to the Center for Testing and European Certification EOOD, within 3 (three) days from its issuance.

Eng. Irena Borislavova

*Executive Director
of Executive agency Bulgarian accreditation service*

