



ORDER

№ A 445

Sofia, 13.10.2023

Pursuant of Art. 10, para. 1, item 4 and Art. 27, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 6 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 20/6 ЛИК/ПА/27.09.2023, reports reg. № 20/6 ЛИК/8В/03.07.2023, and reg. № /6 ЛИК/ПА/13В/11.08.2023 and statement of the Accreditation Commission reg. № 20/6 ЛИК/ПА/14/В/09.10.2023, I hereby

RE-ACCREDIT

**Business Innovation Center – IZOT AD
Testing Center of Electronic and Office Equipment**

Management address: 1784 Sofia, 133 Tsarigradsko Shosse Blvd
Laboratory address: 1784 Sofia, 133 Tsarigradsko Shosse Blvd, Floor 4

To perform testing of:

Type of the scope: *flexible*

№ 1	Tested products 2	Type of test / characteristic 3	Testing methods (standard / validated method) 4
1	Audio/video, information and communication technology equipment	Protection from hazards (protection from electric shock and energy hazards)	БДС EN 62368-1, cl. 5.3.2.1, cl. 5.3.2.2
		Voltage to accessible parts SELV circuits	БДС EN 62368-1, cl. 5.2.2.2, cl. 5.2.2.4, cl. 5.2.2.5
		Protective eathing, transient resistance	БДС EN 62368-1, cl. 5.6
		Thermal requirements	БДС EN 62368-1, cl. 5.4.1.4 (5.4.1.4.2)
		Touch current and protective conductor current	БДС EN 62368-1, cl. 5.2.2.2, cl. 5.7.3, cl. 5.7.4, cl. 5.7.5
		Electric strength	БДС EN 62368-1, cl. 5.4.1.3, cl. 5.4.5, cl. 5.4.5.2, cl. 5.4.8, cl. 5.4.9.2
		Electric shock hazard under normal operating condition	БДС EN 62368-1, cl. 5.3.2.2
		Heating under normal operating conditions (temperature rise ΔT)	БДС EN 62368-1, cl. 5.4.1.4, cl. 5.4.1.10
		Leakage current	БДС EN 62368-1, cl. 5.3.2.2, cl. 5.7.2.1

Type of the scope: flexible

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		Moisture resistance of the insulation	БДС EN 62368-1, cl. 5.4.1.3, cl. 5.4.5, cl. 5.4.5.2, cl. 5.4.8
		Moisture resistance of the insulation	БДС EN 62368-1, cl. 5.4.1.3, cl. 5.4.5, cl. 5.4.5.2, cl. 5.4.8
2.	Household and similar electrical appliances	Protection against access to live parts	БДС EN 60335-1 and the relevant part 2, cl. 8 (cl. 8.1.1, 8.1.2 and 8.1.3)*
		Voltage of accessible parts - ELV	БДС EN 60335-1 and the relevant part 2, cl. 8.1.4*
		Rated current	БДС EN 60335-1 and the relevant part 2, cl. 10.2*
		Leakage current when using a protective impedance (accessible parts) Leakage current	БДС EN 60335-1 and the relevant part 2, cl. 8.1.4 (IEC 60990) cl. 13*
		Electric strength	БДС EN 60335-1 and the relevant part 2, cl. 16.3 (БДС EN 61180-1)*
		Protective earthing, transient resistance	БДС EN 60335-1 and the relevant part 2, cl. 27*
3.	Luminaries	Protection against indirect contact (earthing means)	БДС EN 60598-1, cl. 7.2.3
		Insulation resistance	БДС EN 60598-1, cl. 10.2.1
		Thermal test (normal operation)	БДС EN 60598-1, cl. 12.4; 12.5; 12.6
4.	Medical electrical equipment	Protective earthing, transient resistance	БДС EN 60601-1, cl. 8.6
		Leakage current	БДС EN 60601-1, cl. 8.7
		Electric strength	БДС EN 60601-1, cl. 8.8
5.	Electrical equipment for measurement, control and laboratory use	Determination of accessible parts (Protection against electric shock)	БДС EN 61010-1, cl. 6.2.1, 6.2.2, 6.2.3
		Limit values for accessible parts - voltage	БДС EN 61010-1, cl. 6.3.1 a)
		- current levels (current per accessible part)	БДС EN 61010-1, cl. 6.3.1 b) (IEC 60990)
		Protective bonding (earthing), impedance of protective bonding	БДС EN 61010-1, cl. 6.5.3.1
		Electric strength	БДС EN 61010-1, cl. 6.8 (6.8.2 to 6.8.4)
6.	Transformers, adaptors, power supply units and combinations thereof	Protection against electric shock - touch voltage	БДС EN 61558-1, cl. 9.1 a)
		- touch current	БДС EN 61558-1, cl. 9.1 b)
		Insulation resistance	БДС EN 61558-1, cl. 18.2
		Electric strength	БДС EN 61558-1, cl. 18.3

Type of the scope: <i>flexible</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		Protective eathing, transient resistance	БДС EN 61558-1, cl. 24.4
7.	Circuit-breakers for overcurrent protection for household and similar installations	Electric shock hazard	БДС EN 60898, cl. 8.6
		Insulation resistance	БДС EN 60898, cl. 8.7
		Electric strength	БДС EN 60898, cl. 8.7
8.	Electrical equipment of machines	Insulation resistance	БДС EN 60204-1, cl. 18.3
		Electric strength	БДС EN 60204-1, cl. 18.4
9.	Toys	Determination of emission sound pressure levels	БДС EN 71-1, cl. 8.28
10.	Electric toys	Moisture resistance	БДС EN 62115, cl. 11
		Electric strength	БДС EN 62115, cl. 12
11.	Electrical equipments	Degrees of protections provided by enclosures (IP code) - To hazardous parts - against solid foreign objects - against ingress of water	БДС EN 60529, cl. 12.2, Table I cl. 13.2, Table II cl. 14.2.1 to cl. 14.2.6, Table III
11.	Electrical products, components and equipment (including taxis)	Testing Cab: Damp heat, steady state	БДС EN 60068-2-78
		Testing Db: Damp heat, cyclic	БДС EN 60068-2-30
		Testing B: Dry heat	БДС EN 60068-2-2
		Testing A: Cold type	БДС EN 60068-2-1

* the relevant part 2 of the standards from БДС EN 60335-2-2 to БДС EN 60335-2-109

****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 laboratory.

To perform calibration of:

Type of the scope: <i>fixed</i>					
№	Type of measuring instrument	Measured quantity, measurement unit	Measurement range	Measurement uncertainty	Calibration method
1	2	3	4	5	6
1.	Thermometers (liquid, digital)	Temperature °C	From -40 °C to 0 °C	0,07 °C to 0,08 °C	MK 504-01-01 (2012)
			From 0 °C to 100 °C	0,08 °C to 0,10 °C	
			From 100°C to 150 °C	0,10 °C to 0,25 °C	
			From 150 °C to 200 °C	0,25 °C to 0,40 °C	
2.	Higrometers for relative humidity	Relative humidity, %RH	From 20% to 90% RH	From 1,9% to 2,6% RH	MK 504-03-01 (2020) MK 504-04-01 (2020)

Note: Calibration of the specified measuring instruments is performed in the laboratory.

References:

MK 504-1-01:2012 Calibration procedure to measurement instruments for measuring temperature

MK 504-3-01:2020 Calibration procedure to measurement instruments for measuring Relative humidity in the salt hygostat

MK 504-4-01:2020 Calibration procedure to measurement instruments for measuring Relative humidity in the climatic chamber.

I ORDER

To issue the certificate of accreditation reg. № 6 ЛИК/13.10.2023, valid until 13.10.2027 and this order as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from the manager of Business Innovation Center – IZOT AD, head of the Testing Center of Electronic and Office Equipment at Business Innovation Center – IZOT AD, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited person is obliged to return to EA BAS the originals of the certificate of accreditation with reg. № 6 ЛИК/24.03.2022, valid until 30.04.2023, its enclosure EA BAS order reg. № A 219/24.03.2022 and EA BAS order reg. № A 174/13.04.2023 for extending of accreditation validity period up to 6 months.

This order shall be notified to Business Innovation Center – IZOT AD, within 3(three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

