SCOPE 6 ЛИК

**of Business Innovation Center – IZOT Jsc.**

**Testing Center of Electronic and Office Equipment**

**Management address:** 1784 Sofia, 133 Tsarigradsko Shosse Blvd

**Laboratory address:** 1784 Sofia, 133 Tsarigradsko Shosse Blvd

**To perform testing of:**

| **Type of the scope**: *flexible\*\** | | | |
| --- | --- | --- | --- |
| **№** | **Tested products** | **Type of test / characteristic** | **Testing methods**  **(standard / validated method)** |
| **1** | **2** | **3** | **4** |
| 1 | Information technology equipment | Protection from hazards (protections from electric shock and energy hazards) | БДС ЕN 62368-1,  cl. 5.3.2.1, cl. 5.3.2.2 |
| Voltage to accessible parts SELV circuits | БДС ЕN 62368-1 cl. 5.2.2.2, cl. 5.2.2.4, cl. 5.2.2.5 |
| Protective earthing, transient resistance | БДС ЕN 62368-1, cl. 5.6 |
| Thermal requirements | БДС ЕN 62368-1, cl. 5.4.1.4 (5.4.1.4.2) |
| Touch current and protective conductor current | БДС ЕN 62368-1,   cl. 5.2.2.2, cl. 5.7.3, cl. 5.7.4, cl. 5.7.5 |
| Electric strength | БДС ЕN 62368-1, cl. 5.4.9.2 |
| 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 и 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 60335-1and the relevant part 2, cl. 27\* |
| 3. | Luminaries | Provision for earthing | БДС EN60598-1, cl. 7.2.3 |
| Insulation resistance | БДС EN60598-1, cl. 10.2.1 |
| Thermal test (normal operation) | БДС EN60598-1,  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. | Audio, video and similar electronic apparatus | Electric shock hazard under normal operating conditions | БДС ЕN 62368-1, cl. 5.3.2.2 |
| Heating under normal operating conditions (temperature rise ΔT) | БДС ЕN 62368-1, cl. 5.4.1.4, cl. 5.4.1.10 |
| Leakage current | БДС ЕN 62368-1,  cl. 5.3.2.2, cl. 5.7.2.1 |
| Moisture resistance of the insulation | БДС ЕN 62368-1, cl. 5.4.1.3, cl. 5.4.5, cl. 5.4.5.2, cl. 5.4.8 |
| Insulation resistance | БДС ЕN 62368-1, cl. 5.4.1.3, cl. 5.4.5, cl. 5.4.5.2, cl. 5.4.8 |
| Electric strength | БДС ЕN 62368-1, cl. 5.4.1.3, cl. 5.4.5, cl. 5.4.5.2, cl. 5.4.8 |
| 6. | Electrical equipment for measurement, control  and laboratory use | Determination of accessible parts (Protection against electric shock) | БДС ЕN 61010-1,  cl. 6.2.1, 6.2.2, 6.2.3 |
| Limit values for accessible parts  -voltage | БДС ЕN 61010-1, cl. 6.3.1 a) |
| -current levels | БДС ЕN 61010-1, cl. 6.3.1 b)  (IEC 60990) |
| Protective bonding (earthing), impedance of protective bonding | БДС ЕN 61010-1, cl. 6.5.3.1 |
| Electric strength | БДС ЕN 61010-1,  cl. 6.8 (6.8.2 to 6.8.4) |
| 7. | 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 |
| Protective earthing, transient resistance | БДС EN 61558-1, cl. 24.4 |
| 8. | 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 |
| 9. | Electrical equipment of machines | Insulation resistance | БДС EN 60204-1, cl. 18.3 |
| Electric strength | БДС EN 60204-1, cl. 18.4 |
| 10. | Toys | Determination of emission sound pressure levels | БДС EN 71-1, cl. 8.28 |
| 11. | Electric toys | Moisture resistance | БДС EN 62115, cl. 11 |
| Electric strength | БДС EN 62115, cl. 12 |
| 12. | Electrical equipment | 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 І  cl. 13.2, Table ІІ  cl. 14.2.1 to cl. 14.2.6, Table ІІІ |
| 13. | Electrical products, components and equipment (including taxis) | Testing Cab: Damp heat, steady state | БДС ЕN 60068-2-78 |
| Testing Db: Damp heat, cyclic | БДС ЕN 60068-2-30 |
| Testing B: Dry heat | БДС ЕN 60068-2-2 |
| Testing A: Cold type | БДС ЕN 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 CAB.*

**To perform calibration of:**

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

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

**References:**

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

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

МК 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/24.03.2022, valid until 30.04.2023 and this order as an integral part of it.

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

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of the certificate of accreditation with reg. № 6 ЛИК/05.01.2021, valid untill 30.04.2023 and its enclosure, EA BAS order № A 3/05.01.2021.

This order shall be notified to the Testing Center of Electronic and Office Equipment at Business Innovation Center – IZOT Jsc. within 3(three) days from its issuance.