



PLANET ELECTRO LABS

AN ISO 9001/AI CERTIFIED/GOVERNMENT APPROVED LABORATORY

WZ-407/B-1, Basai Dara Pur,
Near Ramesh Nagar Metro Station,
New Delhi-110015 (India)

Mob.: +91-98219 74769 / 99719 32901
E-mail : planetelectrolabs@gmail.com
Website : www.planetelectrolabs.com

TEST CERTIFICATE

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QUALITY REPORT

TEST REPORT AS PER: As per customer requirement

TEST REPORT NO. PEL/ED/2220122A			NAME & ADDRESS OF CUSTOMER BIOROLES AUTOMATION SYSTEMS PRIVATE LIMITED F-90/9, OKHLA INDUSTRIAL AREA PHASE -1, DELHI, New Delhi, Delhi, 110020
UIN. NO. TL0110122001480F			
DATE OF ISSUE OF TEST REPORT: 07/09/2022			
Customer Ref. & Date if any: Nil			
Date of Sample Receipt: 10/08/2022	Start of Test Date: 10/08/2022	End of Test Date: 07/09/2022	

PART A - PARTICULARS OF THE SAMPLE SUBMITTED

NATURE OF SAMPLE	ELECTRO-MAGNETIC LOCKS
Grade/ Variety/ Type/ Class/ Size etc.	12VDC/24VDC
Declared Values, if any (declared by the manufacturer).	Magnet size:250X55X26mm Armature Size:180X38X11mm
Sr. No/Lot no.	Nil
BIS Seal and IO's sign. If any.	Nil
Batch no., Date of manufacture	Nil
Brand Name /Model No.	Brand " BIOROLES ", Main Model: BL-600 Series model: BL-600D, BL-1200, BL-1200D, BL-300, BL-300D
Quantity of Samples	2 No.
Condition of the Sample when received.	OK
Standard Reference	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC 62262
Environmental Conditions.	Temperature 25 ± 3°C & Relative Humidity<65%

PART B - SUPPLEMENTARY INFORMATION

- a) Deviations from the test methods as per relevant specification/ work instructions, if any: NIL
b) Details of the drawings, graphs, tables, sketches or photographs as referred in the test report, if any : NIL

Notes:

- (i) This report is not to be reproduced wholly or in part without our special permission in writing.
(ii) This report refers only to the particular sample detailed above.
(iii) The results reported in this certificate are valid at the time of and under the stipulated conditions of measurement.
(iv) Sample will be disposed off after 30 days of issue of test report if no any further information is received.
(v) All the tests are certified except one with astrik mark
(vi) Any recognition claim in the test report is solely for promotional/advertising purpose and has no relation with the content of the report.

Tested By	Approved By	Issued By
 Testing Engineer Date: 07/09/2022	 Technical Manager Date: 07/09/2022	 Technical Manager Date: 07/09/2022



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Cold Test (IEC 60068-2-1)

Sl. No:	Test+ Requirements	Observations	Results/ Remarks
1.	Initial measurements: The EUT shall be visually examined and electrically and mechanically checked	Before the test, the EUT is visually examined and electrically and mechanically checked	P
	Cold Test: The EUT shall be introduced in the chamber in the unpacked, switched off, ready for use state. The temperature within the chamber shall then be adjusted to the temperature and duration defined below. Test Temperature: -10°C Time Duration: 2 hours	Conditioned	P
	Final measurements: The EUT shall be visually inspected and functionally tested	After the test, the EUT is visually examined and functionally checked. Equipment is in working condition	P



Tested by	Approved by
	
Testing Engineer	Technical Manager

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Dry Heat Test: (IEC 60068-2-2)

Sl. No:	Test+ Requirements	Observations	Results/ Remarks
1.	Initial measurements: The EUT shall be visually examined and electrically and mechanically checked	Before the test, the EUT is visually examined and electrically and mechanically checked	P
	Dry Heat Test: The EUT shall be introduced in the chamber in the unpacked, switched off, ready for use state. The temperature within the chamber shall then be adjusted to the temperature and duration defined below. Temperature : 75°C Time Duration: 2 hours	Conditioned	P
	Final measurements: The EUT shall be visually inspected and functionally tested	After the test, the EUT is visually examined and functionally checked. Equipment is in working condition	P



Tested by	Approved by
	
Testing Engineer	Technical Manager

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Damp heat test (steady):(IEC 60068-2-78)

Parameter	Specified Requirement	Observation	Verdict
Initial measurements	The specimen shall be visually inspected and electrically and mechanically checked, as required by the relevant specification.	Complies	Pass
Test condition	the specimen shall be introduced into the chamber, both of which shall be at standard ambient conditions of the laboratory. The specimen shall be introduced in the unpacked, switched-off, ready-for-use state.	Complies	Pass
	The rate of change of temperature shall not exceed 1 K/min, averaged over a period of not more than 5 min. During this period condensation on the specimen shall not occur.	Complies	Pass
Recovery	Relative humidity shall be adjusted to a value of 73 % to 77 % RH in not more than 0,5 h, after which the temperature shall be adjusted to laboratory temperature within _1 K in not more than 0,5 h.	Complies	Pass
Final Measurement	The specimen shall be visually inspected and electrically and mechanically checked, as required by the relevant specification..	No damage observed	Pass

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Impact test (IK test): IEC 62262

IK code	Impact Energy (Joules)	No. of impacts	Observation	Verdict
IK07	2	3	No damage observed	Pass

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PHOTOGRAPHS



END OF TEST REPORT

Tested by	Approved by
	
Testing Engineer	Technical Manager