National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BE ANALYTIC SOLUTIONS LLP, B131/A, DYAVASANDRA INDUSTRIAL ESTATE, MAHADEVAPURA, WHITEFIELD RD, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5078 **Page No** 1 of 3

Validity 23/03/2023 to 22/03/2025 **Last Amended on** 04/04/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Dust Ingress Protection (Enclosures of Electrical and Electronics Equipments)	IP1X, IP2X, IP3X, IP4X, IP5X, IP6X, IP5K, IP6K	IEC/60529:2013 & ISO 20653:2013
2	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical , Electronics And Mechanical Components	Altitude	ISO 15003, JSS 55555: 2012, DO160G: 2010, MIL STD 810H: 2019, JSS-5855-11 (Test no. 01):2019
3	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical , Electronics And Mechanical Components	Bump tests, Shock tests	IS 9000-7(Sec II to Sec IV), IEC 60571, sub Clause No 10.2.11: 2012, JSS 55555:2012 Rev3-Test number 5: 2012, JSS-5855-11: test no.03: 2019
4	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical , Electronics And Mechanical Components	Drop Test, Toppling and Bench Handling	JSS 55555 Test No.13 , ASTM D5276, Procedure and Annexure A1: 2004, IEC-60068-2-32: Part 2:Test:Free fall: 2008, IEC-60068-2-31 Testing 5.1: 2008, ISTA 1A- Sequence 1A, Test Category- Shock, Test Type-Drop: 2014, ISO 16750-3, Sub clause 4.3- Free fall: 2012, MIL STD 810H METHOD 516.8, Procedure IV - Transit Drop: 2019, JSS-5855-11: - Test no.08, JSS-5855-11 (Test no.08): MIL-STD-810H: 2019 - method 516.8 procedure VI, JSS-55555 (test no.26): 2019
5	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical , Electronics And Mechanical Components	Mechanical Shock test	IEC 60571sub Clause No 10.2.11, MIL-STD-810H: 2019, ISO 9022-3:1998, ISO 16750-3: 2012, DIN EN 60068-2-27:1987, MIL-PRF-28800F class3: 1996, IS 9000, Part 7 : Sec 1: 2018, JSS-50101: 2001 (test no.12), JSS-5855-11 (test no.16):2019
6	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical , Electronics And Mechanical Components	Rain (Drip) Test	MIL - STD- 810H (procedure III):2019
7	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical , Electronics And Mechanical Components	Sand & Dust Test	MIL 810H (Method 510.7):2019

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8	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical , Electronics And Mechanical Components	Shock or Impact	JSS 55555 (Test no 24):2012
9	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical ,electronics and mechanical components	Damp Heat (Humidity tests range: RH 20% to 98%) (work space: (LxBxH): 1500mm X 1500mm X 1500 mm)	IEC 60068-2-78:2012, IEC 60068-2-30:2008, IEC 60068-2-67:1995, IS 9000(Part 4):2008, IS 9000 (Part 5):1981 (RA 2007), MIL 810H:2019, JSS 55555:2012, ISO 16750-4, JSS-5855-11 (test no. 06):2019
10	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics and mechanical components	High Temperature Test - Storage, Operation, Storage Cum Operation (work space: (LxBxH): 1500mm X 1500mm X 1500 mm)	IEC 60068-2-2:2007, IEC 60068-2-14:2009, IS 9000(Part 3):1977 (RA 2004), IS 9000 (Part 4):1988 (RA 2003), MIL 810H:2019, JSS 55555:2012, ISO 16750-4, JSS-5855-11 (test no.10):2019
11	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics and mechanical components	Low temperature Test - Storage, Operation, Storage cum operation (work space: (LxBxH): 1000mm X 1000mm X 1000 mm)	IEC 60068-2-14:2009, IS 9000 (part 2): 1977 (RA 2004) , IS 9000 (Part 14): 1988(RA 2003, MIL 810H:2019, JSS 55555:2012 ,IEC 60068-2-1:2007. JSS-5855-11: (Test no.12):2019
12	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics and mechanical components	Salt Spray	IEC 60068-2-11:1981, IEC 60068-2-52:1996, IS 9000 (Part 1):2016 (method K), ASTM B117 Rev:2007a, JIS Z 2731, JSS-55555 : 2012 (test no.09), JSS-5855-11: 2019 (Test no..05), MIL-STD-810H: (Method 509.7):2019
13	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics and mechanical components	Vibration - Random, sinusoidal, sine-on-random, resonance.	Sine: IS 9000 (part 8) (RA 2003), IEC 60068-2-6:2007, JSS 55555:2012, JSS 50101:1996(RA 2001), JIS D1601:2005 MIxed mode : IEC 60068-2-80 (Part 2):2005, MIL-STD-810H:2019, Random : IEC 60068-2-64:2008 , IEC 61373, MIL-STD-2164A: 1996, ASTM D 999: 1996 method-A,B,C., JSS-5855-11 (test no.19):2019
14	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Water Ingress Protection (Enclosures of Electrical and Electronic Equipments)	IPX1, IPX2, IPX3, IPX4, IPX5, IPX6, IPX6K, IPX7, IPX8, IPX9K	IEC/60529:2013 & ISO 20653:2013

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15	MECHANICAL- THERMAL TESTS	Electrical, Electronics and Mechanical Components	Thermal Cycling (work space: (LxBxH): 1000mm X 1000mm X 1000 mm)	IS 9000 (Part 15 Sec I & Sec II):1988; IEC 60068-2-14 (tests Na & Nb):2009; MIL-STD-810H:2019,JSS-55555:2012,SO 16750-4, MIL-STD-2164 A:1996
16	MECHANICAL- THERMAL TESTS	Electrical, Electronics and mechanical components	Thermal Shock / Rapid change of temperature with prescribed time of transfer (work space: (LxBxH): 1000mm X 1000mm X 1000 mm)	IS 9000 (Part 15 Sec I & Sec II):1988, MIL 810H:2019, JSS 55555:2012, IEC 60068-2-14 (tests Na & Nb), JSS-5855-11: 2019 (test no.14), JSS-50101:1996