



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

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

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5078 Page No. : 1 / 4

Validity 23/10/2018 to 22/10/2020 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Dust Ingress Protection (Enclosures of Electrical and Electronics Equipments)	IP1XIP2XBIP3XIP4XIP5XIP6X(Category 2 enclosure) IP5KIP6K	IEC/60529 & ISO 20653: 2013	Qualitative
2	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	electrical , electronics and mechanical components	Low temperature	IEC 60068-2-14:2009, IS 9000 (part 2): 1977 (RA 2004) , IS 9000 (Part 14): 1988(RA 2003, MIL 810, JSS 55555 ,IEC 60068-2-1: 2007	25 °C to -65 °C
3	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical , electronics and mechanical components	Salt Spray	IEC 60068-2-11:1981 IEC 60068-2-52 : 1996 IS (part 2) : 1983 (RA 2004) ASTM B 117 Rev ,2007a JIS Z 2731: 1994	30 °C to 50 °C
4	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical ,electronics and mechanical components	Damp Heat (RH 20% to 98%)	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 810 , JSS 55555, ISO 16750-4: 2010	20 °C to 180 °C



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5	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical ,electronics and mechanical components	High Temperature Storage Cum Operation	IEC 60068-2-1: 2007, IEC 60068-2-14:2009, IS 9000(part 3):1977 (RA 2004) , IS 9000 (part 4):1988 (RA 2003), MIL 810,JSS 55555, ISO 16750-4:: 2010	40 °C to 180 °C
6	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical ,electronics and mechanical components	High Temperature Test	IEC 60068-2-1: 2007, IEC 60068-2-14:2009, IS 9000(part 3):1977 (RA 2004) , IS 9000 (part 4):1988 (RA 2003), MIL 810,JSS 55555, ISO 16750-4:: 2010	40 °C to 180 °C
7	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical ,electronics and mechanical components	Low Temperature Operation	IEC 60068-2-1: 2007, IEC 60068-2-14: 2009	25 °C to -65 °C
8	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical ,electronics and mechanical components	Low Temperature Storage	IEC 60068-2-1: 2007, IEC 60068-2-14: 2009	25 °C to -65 °C
9	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical ,electronics and mechanical components	Low Temperature Storage Cum Operation	IEC 60068-2-1: 2007, IEC 60068-2-14: 2009	25 °C to -65 °C



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10	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical ,electronics and mechanical components	Sine On Random	Sine: IS 9000 (part 8) (RA 2003), IEC 60068-2-6:2007, JSS 55555:2000 Rev.I, JSS 50101:1996(RA 2001), JIS D1601:2005 Mixed mode : IEC 60068-2-80 (part 2):80 , MIL-STD-810G, Random : IEC 60068-2-64:2008 , IEC 61373:: 2010	5 Hzs to 2000 Hzs
11	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, electronics and mechanical components	High temperature Storage	IEC 60068-2-1: 2007, IEC 60068-2-14:2009, IS 9000(part 3):1977 (RA 2004) , IS 9000 (part 4):1988 (RA 2003), MIL 810, JSS 55555, ISO 16750-4:: 2010	40 °C to 180 °C
12	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electrical, Electronics and Mechanical Components	Vibration (Sine, Random & Mixed)Up to 2500 Kgf	Sine: IS 9000 (Part 8) (RA 2003), IEC 60068-2-6:2007, JSS 55555:2000 Rev.I, JSS 50101:1996 (RA 2001), JIS D1601:2005 Mixed mode : IEC 60068-2-80 (Part 2):80 , MIL-STD-810G, Random : IEC 60068-2-64:2008 , IEC 61373: 2010	5 Hzs to 2000 Hzs



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13	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	High Temperature Operation	High Temperature Operation	IEC 60068-2-1: 2007, IEC 60068-2-14:2009, IS 9000(part 3):1977 (RA 2004) , IS 9000 (part 4):1988 (RA 2003), MIL 810,JSS 55555, ISO 16750-4:: 2010	40 °C to 180 °C
14	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Water Ingress Protection (Enclosures of Electrical and Electronic Equipments)	IPX1sIPX2IPX3IPX4IP X5IPX6IPX6K	IEC/60529 & ISO 20653: 2013	Qualitative
15	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Water Ingress Protection (enclosures of electrical and electronic equipments)	IPX7,IPX8	IEC/60529 & ISO 20653: 2013	Qualitative
16	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Water Ingress Protection (enclosures of electrical and electronic equipments)	IPX9K	IEC/60529 & ISO 20653: 2013	Qualitative
17	MECHANICAL- THERMAL TESTS	Electrical ,electronics and mechanical components	Thermal Shock / Rapid change of temperature with prescribed time of transfer	IS 9000 (Part 15 sec Sec I & Sec II):1988, MIL 810,JSS 55555, IEC 60068-2-14 (tests Na & Nb): 2009	-65 °C to 180 °C
18	MECHANICAL- THERMAL TESTS	Electrical, Electronics and Mechanical Components	Thermal Cycling	IS 9000 (Part 15 Sec I & Sec II):1988; IEC 60068-2-14 (tests Nb):2009; MIL-STD-810F; ISO 16750-4: 2010	-65 °C to 180 °C