National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HERRMANN RESEARCH PRODUCTS AND LABORATORIES PVT LTD, B-4/1, NICE, MIDC, SATPUR, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	AC Current Measurement	HRPL/TP/15:2021, MIL 704-8 : 2004 Method LDC 101
2	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	AC Voltage Measurement	HRPL/TP/14:2021, MIL 704-8 : 2004 Method LDC 101
3	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Acceleration Testing	HRPL/TP/20:2021, IS9000 Part 9:1984, JSS 55555:2000 Test No 1, JSS 55555:2012 Test No 1, JSS 50101:1996 Test No 1, MIL 810D:1983 Test No 513.3, MIL 810E:1989 Test No 513.4, MIL 810F:2000 Test No 513.5, MIL 810G:2008 Test No 513.6, MIL 810H:2019 Test No 513.8, MIL 202G-212A:2002, MIL 202H-212:2015, CEMILAC Directive 14/2015, SAE AS53731:1999 test no 4.8.9, IEC 60068-2-7: 1983, EVS-EN 60068-2-7:2002
4	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Altitude Test/Low Pressure Test/ CATH (Combined Altitude, Temp and Humidity) Test	HRPL/TP/37:2022, MIL 810D:1983 Test No 500.2 Proc II and Proc I, Test No 520.0, MIL 810E :1989 Test No 500.3 Proc II & Proc I ,Test 520.1, MIL 810F:2000 Test No 500.4 Proc II & Proc I, Test No 520.2, MIL 810G: 2008 Test No 500.5 Proc II and Proc I, MIL 810G: 2008 Test No 520.3, MIL 810H:2019 test No 500.6 Proc II and Proc I, MIL 810H:2019 test no 520.5
5	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Altitude Test/Low Pressure Test/CATH (Combined Altitude, Temp and Humidity) Test	CEMILAC Air Worthiness Directive 14/2015, JSS 55555: 2000 Rev No.2 Test No.3 and Test No 30, JSS 55555:2012 Rev No 3 Test No 3 and Test 30, JSS 50101:1996 Test No 2, IEC 60068-2-13: 2021, EVS-EN IEC 60068-2-13:2021, IEC 60068-2-39:2015, EVS-EN 60068-2-39:2016

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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
6	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Bench Handling Test	HRPL/TP/32:2021, MIL 810D: 1983 Test No: 516.3 Procedure 6, MIL 810E : 1989 ,test no 516.4 Procedure 6, MIL 810F :2000 Test no 516.5 Procedure 6, MIL 810 G: 2008 Test No 516.6 Procedure 6 , MIL 810 H : 2019 test No 516.8 Procedure 6
7	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Bump Test-Impact Test	HRPL/TP/11: 2021, HRPL/TP/23: 2021, IS 9000 (Part 7, Sec I) : 2006, IS9000 (Part 7, Sec II to V) : 1979, IS9000 (Part 7, Sec VI) : 1988, MIL 810D:1983 Test No 516.3, MIL 810E:1989 Test No 516.4, MIL 810F:2000 Test No. 516.5, MIL 810G:2008 Test No 516.6, MIL 810H:2019 Test No 516.8,
8	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Capacitance Measurement	HRPL/TP/24:2021, MIL202G-305A:2002, MIL 202H-305:2015
9	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Charge Acceptance test	MIL PRF 32383 test no.4.7.2.9
10	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Contamination Test / contamination by fluids	HRPL/TP/34:2021, JSS 55555 Test no 6, MIL 810G:2008 test no 504.1, MIL 810F:2000 test 504.1, MIL 810 H:2019 test 504.3, IEC 60068-2-74:1999,,EVS-EN 60068-2-74:2002
11	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Crash Hazard Shock Test	HRPL/TP/36:2021, MIL 810D: 1983 Test No: 516.3 Procedure 5, MIL 810 E : 1989 Test No 516.4 Procedure 5, MIL 810 F : 2000 Test 516.5 Procedure 5, MIL 810G:2008 Test no 516.7 Procedure 5, MIL 810H : 2019 Test 516.8 Procedure 5

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12	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Damp Heat Cyclic State Internal Volume: 80cmx70cmx90 cm	HRPL/TP/02:2021, IS 9000 (Part 5): 1981, IS 9000 (Part 6): 1978, JSS 50101:1996 Test No 5, MIL 810D:1983 Test No 507.4 Proc –II, MIL 810E:1989 Test No 507.3 Proc –II, MIL 810F: 2000 Test No 507.4 Proc –II, MIL 810G:2008 Test No 507.5 Proc –II, MIL 810H:2019 Test No 507.6 Proc –II, MIL 202H-106:2015, Cemilac directive 14/2015, QM 333:2010 test no 3, IS 8252 Part 3 -1978, IEC 60068-2-30:2005, EVS-EN 60068-2-30:2006,IEC 60068-2-38:2021,EVS-EN IEC 60068-2-38:2021
13	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	DC Current Measurement	HRPL/TP/15:2021, MIL 704-8 : 2004 Method LDC 101
14	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	DC Voltage Measurement	HRPL/TP/14:2021, MIL 704-8 : 2004 Method LDC 101
15	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Drop Test	HRPL/TP/28:2021, JSS 55555: 2012 test no 13 , QM 333: 2010 test no 10, JSS 6625-01
16	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	ESS (Environmental Stress Screening) Part 1: Pre Thermal Vibration Test Part 2 : Thermal Cycling Part 3 : Post Thermal Vibration Test Part 4 : Functional Check Internal Volume: 60cmx60cmx70 cm	HRPL/TP/12:2021, MIL-2164 A:1996, DGAQA 04-03/2015, DGQA 66301/Policy-07/DQA(N)/QA-07 : 2016, CEMILAC Directive 14/2015, QM 333:2010, IS 8252 Part 8 : 1979
17	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Fall test	HRPL/TP/31:2021, QM 333: 2010 test no 12
18	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Frequency Measurement	HRPL/TP/16:2021, MIL 704-8 : 2004 Method LDC 101

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19	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	High Temp Internal Volume: 60cmx60cmx70 cm	HRPL/TP/03 :2021, IS 9000 (Part 3):1977, JSS 55555:2000 Test No 17, JSS 55555:2012 Test No 17, JSS 50101:1996 Test No 22, MIL 810D:1983 Test No 501.2, MIL 810E:1989 Test No 501.3, MIL 810F: 2000 Test No 501.4, MIL 810G:2008 Test No 501.5, MIL 810H:2019 Test No 501.7, Cemilac directive 14/2015, QM 333:2010 Test no 2, IS 8252 Part 2 : 1980, JSS 6625-01, IEC 60068-2-2:2007, EVS-EN 60068-2-2:2007
20	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	High Temperature Discharge Test	MIL PRF 32383 test no 4.7.2.8
21	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Humidity Testing - Steady State Internal Volume: 80cmx70cmx90 cm	HRPL/TP/01:2021, IS 9000 (Part 4): 2008, JSS 50101:1996 Test No 7,JSS 55555:2000 Test No 10,JSS 55555:2012 Test No 10,MIL 810D:1983 Test No 507.4 Proc –I,MIL 810E:1989 Test No 507.3 Proc –I, MIL 810F: 2000 Test No 507.4 Proc –I, MIL 810G:2008 Test No 507.5 Proc –I, MIL 810H:2019 Test No 507.6 Proc –I,MIL 202G-103:2002,MIL 202H-103:2015, QM 333:2010 Test no 5,JSS 6625-01,EVS-EN IEC 60068- 2-78:2013,IEC 60068-2-78:2012,IS 9000 Part 4:2020
22	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Insulating compounds, flow and shrinking Test	MIL PRF 32383 Test no 4.7.1.5
23	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Insulation Resistance Measurement (Post Humidity, Salt Spray, Vibration, Acceleration, Shock, High Temp, Low Temp, Drop, Fall, ESS, Thermal cycling, COTS Screening and Performance Check.)	HRPL/TP/18:2021, MIL202G-302:2002, MIL 202H-302:2015, MIL PRF 32383 Test No 4.7.4.6

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24	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Life Testing	HRPL/TP/25:2021, JSS 50101:1996 Test No 13, MIL 202G-108A:2002, MIL 202H-108: 2015, SAE AS53731:1999 test no 4.8.11.1, MIL PRF 32383 Test No 4.7.2.4
25	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Low Temp Internal Volume: 60cmx60cmx70 cm	HRPL/TP/04:2021, IS9000 (Part 2) : 1977, JSS 55555:2000 Test No 20, JSS 55555:2012 Test No 20, JSS 50101:1996 Test No 21, MIL 810D:1983 Test No 502.2, MIL 810E:1989 Test No 502.3, MIL 810F:2000 Test No. 502.4, MIL 810G:2008 Test No 502.5, MIL 810H:2019 Test No 502.7, Cemilac directive 14/2015, QM 333:2010 Test No 1, IS 8252 Part 2 : 1980, JSS 6625-01, IEC 60068-2-1:2007 ,EVS-EN 60068-2-1:2007
26	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Low Temperature Discharge Test	MIL PRF 32383 test no 4.7.2.7
27	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Moisture Resistance test	HRPL/TP/35:2021, SAE AS53731 test no 4.8.4 :1999, JSS 50101: 1996 Test 6, MIL 202G:106G-2002, MIL 202H:106-2015
28	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Overcharge Test	MIL PRF 32383 test no. 4.7.4.1

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29	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Performance Check/ Functional Testing	CEMILAC Guideline 81/2003, DGAQA 04-03/2015, DGQA 66301/Policy-07/DQA(N)/QA-07 :2016, IS 9000, JSS 55555:2000, JSS 55555:2012, JSS 50101:1996, MIL 810D:1983, MIL 810E:1989, MIL 810F:2000, MIL 810G:2008, MIL 810H:2019,MIL 202G:2002, MIL 202H: 2015, MIL-2164 A:1996, MIL 704-8 : 2004, CEMILAC Directive 14/2015, JSG 0667:2017, MIL PRF 32383
30	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Power Supply Test / Steady State Limits for Voltages	MIL HDBK-704-8 : 2004 Method LDC 102, MIL HDBK- 704-8 : 2004 Method LDC 301, MIL HDBK-704-8 : 2004 Method LDC 401, CEMILAC directive 14/2015
31	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Resistance Measurement	HRPL/TP/17:2021, MIL 202-302:2015
32	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Retention of Charge (At High Temperature)	MIL PRF 32383 test no. 4.7.2.10
33	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Salt Fog/ Salt Mist/ Corrosion (Salt) / Salt Atmosphere(Corrosion) Internal Volume: 60cmx50cmx45 cm	HRPL/TP/07:2021, IS9000 (Part 11) : 1983, JSS 55555:2000 Test No 9, JSS 55555:2012 Test No 9 ,JSS 50101:1996 Test No 4, MIL 810D:1983 Test No 509.2, MIL 810E:1989 Test No 509.3, MIL 810F:2000 Test No. 509.4, MIL 810G:2008 Test No 509.5, MIL 810H:2019 Test No 509.7, MIL 202G-101E-2002 ,MIL 202H-101:2015 , QM 333:2010 test no 9, SAE AS53731:1999 test 4.8.6, JSS 6625-01, IEC 60068-2-11:2021, EVS-EN IEC 60068-2-11:2021

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34	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Screening Procedure of COTS/PCB Part 1 : Screening test for Discrete components a. High Temperature Storage Test b. Thermal Shock c. Electrical Test for Non SMD components / Functional Test Part 2 : Screening test of Populated PCBs a. Visual Examination b. High Temperature Storage (Stabilization Bake) Test c. Thermal Shock Test d. Burn-in Test	CEMILAC Directive 81/2003, JSG 0667:2017
35	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Shock Testing/ Impact Test/ Bump Testing / Shock Response Spectrum	HRPL/TP/11:2021, HRPL/TP/23:2021, IS9000 (Part 7, Sec I) : 2006, IS9000 (Part 7, Sec II to V) : 1979, IS9000 (Part 7, Sec VI) : 1988, JSS 55555: 2000 Test No 24, JSS 50101: 1996 Test No 12, MIL 810D:1983 Test No 516.3, MIL 810E:1989 Test No 516.4, MIL 810F:2000 Test No. 516.5, MIL 810G:2008 Test No 516.6, MIL 810H:2019 Test No 516.8, MIL 202G-213B:2002, MIL 202H-213: 2015, CEMILAC directive14/2015, QM 333:2010, IS 8252 Part 16:1979, SAE AS53731:1999 test no 4.8.10, IEC 60068-2-27:20
36	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Storage Life Test	MIL 32383 Test no 4.7.3.10
37	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Temperature Rise	SAE AS53731
38	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Thermal Cycle Internal Volume: 60cmx60cmx70 cm	HRPL/TP/06:2021, SAE AS53731: 1999

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39	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Thermal Shock (2 Chamber Method) Internal Volume: 60cmx60cmx70 cm	HRPL/TP/05:2021, JSS 55555:2000 Test No 22, JSS 55555:2012 Test No 22, JSS 50101:1996 Test No 20 Proc I & II, MIL 810D:1983 Test No 503.2, MIL 810E:1989 Test No 503.3, MIL 810F:2000 Test No. 503.4, MIL 810G:2008 Test No 503.5, MIL 810H:2019 Test No 503.7, MIL 202-107:2015, IS 8252 Part 8 : 1979, SAE AS53731 : 1999 test no 4.8.5, IEC 60068-2-14:2009 ,EVS-EN 60068-2-14:2009, MIL PRF 32383 Test No .4.7.3.5
40	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Topple Test	HRPL/TP/30:2021, QM 333:2010 Test no 11, JSS 55555:2012 Test no 26 , JSS 6625- 01
41	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Transit Drop Test	HRPL/TP/29:2021,MIL 810D: 1983 Test No: 516.3 Procedure 4, MIL 810 E :1989 Test no 516.4 Procedure 4, MIL 810F: 2000 test 516.5 procedure 4, MIL 810G:2008 Test No 516.6 Procedure 4, MIL 810H : 2019 test No 516.8 Procedure 4
42	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Transit Drop Test	MIL PRF 32383 Test no 4.7.3.9.1 and Test no 4.7.3.9.2
43	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Tropical Exposure Test	HRPL/TP/33:2021, JSS 55555: 2000 test no 27, JSS 55555:2012 test no 27 , QM 333:2010 Test no 3, JSS 6625-01

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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
44	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Vibration Testing - Random	HRPL/TP/09:2021, JSS 55555:2000 Test No 28, JSS 55555:2012 Test No 28, JSS50101:1996 Test No 24, MIL 810D:1983 Test No 514.3, MIL 810E:1989 Test No 514.4, MIL 810F:2000 Test No. 514.5, MIL 810G:2008 Test No 514.6, MIL 810H:2019 Test No 514.8, MIL 202G_214A:2002, MIL 202H-214:2015, CEMILAC directive 14/2015, IS 8252: Part 14: 1982, JSS 6625-01
45	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Vibration Testing - Sine	HRPL/TP/08:2021,IS9000 (Part 8):1981,JSS 55555:2000 Test No 28,JSS 55555:2012 Test No 28, JSS 50101:1996 Test No 23, MIL 810D:1983 Test No 514.3,MIL 810E:1989 Test No 514.4, MIL 810F:2000 Test No. 514.5, MIL 810G:2008 Test No 514.6, MIL 810H:2019 Test No 514.8, MIL 202G-201A:2002, MIL 202H-201:2015,MIL 202G-204D:2002,MIL 202H-204:2015,QM 333:2010 Test no 6, IS 8252 Part 14:1982, SAE AS53731:1999 test 4.8.7,JSS 6625-01,EVS-EN 60068-2-6:2008,IEC 60068-2-6:2007,MIL PRF 32383 test no 4.7.3.7
46	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Vibration Testing – Sine on Random/ Gunfire Vibration /Random on Random / Resonance Search Track Dwell	HRPL/TP/10:2021, HRPL/TP/21:2021, HRPL/TP/22:2021, MIL 810D:1983 Test No 519.3, MIL 810E:1989 Test No 519.4, MIL 810F:2000 Test No. 519.5, MIL 810G:2008 Test No 519.6, MIL 810H:2019 Test No 519.8, cemilac directive 14/2015

SCOPE OF ACCREDITATION

Laboratory Name :	HERRMANN RESEARCH PRODUCTS AND LABORATORIES PVT LTD, B-4/1, NICE, MIDC, SATPUR, NASHIK, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5208	**Page No**	10 of 10
Validity	10/11/2022 to 09/11/2024	**Last Amended on**	-

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
47	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Visual Examination (For corrosion, rust, cracks, defect, tear, damage, dents, deflection, deformation, leakage, loose parts, mould growth, change in colour, misalignment, broken structures, sparks, variations in reading)	CEMILAC Guideline 81/2003, IS 9000, HRPL/TP/19:2021, JSS 55555:2000, JSS 55555:2012, JSS 50101:1996, MIL 810D:1983, MIL 810E:1989, MIL 810F:2000, MIL 810G:2008, MIL 810H:2019, MIL 202: 2015, MIL-2164 A:1996, DGAQA 04-03/2015, DGQA 66301/Policy-07/DQA(N)/QA-07 :2016 , Cemilac directive 14/2015, MIL PRF 32383 test no 4.7.1.1
48	ELECTRONICS-ENVIRONMENTAL TEST FACILITY	Electronics/Electrical/ Telecom/Automotive/ Defense/Military/Medical/Aerospace/Naval/Locomotive products Including Sub-Assemblies, Accessories, Components and parts	Weight Measurement	HRPL/TP/13: 2021