National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SAMVARDHANA MOTHERSON INTERNATIONAL LIMITED, A3, 1ST FLOOR, SECTOR -84, GAUTAM BUDDHA NAGAR, NOIDA, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8813 **Page No** 1 of 3

Validity 22/11/2022 to 15/01/2024 **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
Permanent Facility				
1	CHEMICAL- CORROSION TESTS	Automotive components	Salt Spray Test (Corrosion resistance) Test space: 450 ltr. (Internal Dimension =850W*700D*800H)	ASTM B 117
2	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Connectors	Rapid Change of Temperature - Thermal shock (-70 °C to +180°C /0.1°C)	Clause 4.22 of ISO 8092-2
3	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Connectors	Temperature & Humidity Cycling (-70 ~ +180° & 10~ 95 % RH/0.1°C & 0.1% RH)	Clause 6.23 of JASO D 616
4	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Connectors	Temperature /Humidity cycling Test	ISO 8092-2
5	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Connectors	Thermal Shock (-70°C ~ +180°C)	Clause 6.22 of JASO D 616
6	ELECTRICAL-MISCELLANEOUS	Connector & Terminal	Connection Resistance(Voltage Drop)Test	ISO 8092-2
7	ELECTRICAL-MISCELLANEOUS	Connector & Terminal	Insulation Resistance Test	Clause 4.12 of ISO 8092-2
8	ELECTRICAL-MISCELLANEOUS	Connector & Terminal	Insulation resistance test	Clause 6.11 of JASO D 616
9	ELECTRICAL-MISCELLANEOUS	Connector & Terminal	Temperature Rise Test	Clause 4.14 of ISO 8092-2
10	ELECTRICAL-MISCELLANEOUS	Connector & Terminal	Temperature Rise Test	Clause 6.13 of JASO D 616
11	ELECTRICAL-MISCELLANEOUS	Connector & Terminal	Withstand voltage test	Clause 4.13 ISO 8092-2
12	ELECTRICAL-MISCELLANEOUS	Connector & Terminal	Withstand voltage test	Clause 6.12 JASO D 616
13	ELECTRICAL-MISCELLANEOUS	Connectors	Sealing ability (0.1 bar ~ 5 bar pressure/0.1 bar)	Clause 6.10 of JASO D 616
14	ELECTRICAL-MISCELLANEOUS	Terminal/Cable	Break Strength (Crimping strength)	SAE J 1811
15	ELECTRICAL-MISCELLANEOUS	Terminal/Cable	Tensile Strength of Crimped Connections(Crimping strength)	Clause 4.4 of ISO 8092-2
16	ELECTRICAL-MISCELLANEOUS	Terminal/Cable	Terminal to Conductor Pull Out force (Crimping strength)	Clause 5.2.3 of SAE J 1742

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Certificate Number TC-8813 **Page No** 2 of 3

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17	ELECTRICAL-MISCELLANEOUS	Wire	Flammability Test	IS 2465
18	ELECTRICAL-MISCELLANEOUS	Wires	Flammability Test	ISO 6722-1
19	MECHANICAL-AUTOMOTIVE COMPONENTS	Corrugated tube	Flammability Test	IS 15061
20	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Compression set test	ASTM D 395
21	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Compression set test	ISO 815-1
22	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Compression set test	JIS K 6262
23	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Elongation	ASTM D 412
24	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Elongation	ISO 37
25	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Elongation	JIS K 6251
26	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Hardness (Shore A)	ASTM D 2240
27	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Hardness Test shore A	JIS K 6253-3
28	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Hardness Test-Shore-A	ISO 48-4
29	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Resistance to thermal deterioration/Heat Resistance aging (Ambient+10° ~250°C/ 0.1°C)	ISO 188
30	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Resistance to Thermal deterioration/Hot air aging	ASTM D 573

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Certificate Number TC-8813 **Page No** 3 of 3

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31	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Tear strength	ASTM D 624
32	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Tensile strength	ASTM D 412
33	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Tensile strength	ISO 37
34	MECHANICAL-AUTOMOTIVE COMPONENTS	Grommet Raw Material	Tensile strength	JIS K 6251