National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TEST AND VALIDATION LABORATORY - JOYSON ANAND ABHISHEK SAFETY SYSTEMS PVT. LTD., PLOT NO. 20, SECTOR - 5, GURGAON, HARYANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 21/12/2022 to 20/12/2024 **Last Amended on** 23/12/2022

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	MECHANICAL-AUTOMOTIVE COMPONENTS	Air Bag (Supplementary Restraint System)	Airbag Module Deployment Test	SAE J1630
2	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Buckle Durability Test	Cl.No. 6.2.2.4 of ECE R16
3	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Buckle Durability Test	Cl.No.4.2.2.3 of IS 15140
4	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Buckle Opening Test	Cl.No. 4.4.2.10 and 5.5.3 of IS 15140
5	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Buckle Opening Test	Cl.No.6.2.2.5, 6.2.2.7 and 7.8 of ECE R16
6	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Buckle Strength Test	Cl.No 4.2.2.6, 5.2.1, 5.2.5 of IS 15140
7	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Buckle Strength Test	Cl.No.6.2.2.6, 6.2.2.7, 7.5.1, 7.5.5 of ECE16
8	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety belt	Corrosion Test	Cl.No. 5.1, 4.2.1.2, 4.2.5.1 of IS 15140
9	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Corrosion Test	Cl.No. 6.2.1.2, 6.2.5.2.3, 6.2.5.3.3, 7.2 of ECE R16
10	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Dust Resistance Test	Cl.No.5.3.3 of IS 15140
11	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Dust Resistance Test	Cl.No.6.2.5.2.3, 6.2.5.3.3, 7.6.3 of ECE R16
12	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Dynamic Test (Acceleration Type Sled Facility)	Cl.4.4.2, 5.5.2, 5.5.3 of IS 15140
13	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Dynamic Test (Acceleration Type Sled Facility)	Cl.6.4.1, 7.7 of ECE R16

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14	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Environmental Conditioning Test	Cl. No. 4.2.2.4, 4.3.2, 4.3.3, 5.2.3, 5.4.2.2, 5.4.2.4 and 5.3.2.5 of IS 15140
15	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Environmental Conditioning Test	Cl.No.6.2.2.3, 6.3.2, 6.3.3, 6.2.2.3, 7.4.1.1, 7.4.1.2, 7.4.1.3, 7.4.1.4, 7.5.3, 7.4.1.4, and 7.4.2 of ECE R16
16	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Locking of Emergency Locking Retractors (G Lock Test)	Cl. No. 6.2.5.3.1.1, 6.2.5.3.1.2, 7.6.2 of ECE R16
17	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Locking of Emergency Locking Retractors (G Lock Test)	Cl.No.4.2.5.3 and 5.3.2 of IS 15140
18	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Locking Threshold Test (Tilt Lock Test/ Tilt Unlock Test)	Cl.No. 4.2.5.3.a.3, 4.2.5.3. a.4 and 5.3.2.5 of IS 15140
19	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Locking Threshold Test (Tilt Lock Test/ Tilt Unlock Test)	Cl.No.6.2.5.2.1, 6.2.5.3.1, 6.2.5.3.3 and 7.6.2 of ECE R16
20	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Low Temperature Test on Buckle	Cl.No 4.2.2.4, 5.2.3 of IS 15140
21	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Low Temperature Test on Buckle	Cl.No. 6.2.2.3, 7.5.3 of ECE R16
22	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Micro Slip Test	Cl.No. 6.2.3.2, 7.3 of ECE R16
23	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Micro Slip Test	Cl.No.4.2.3.1 and 5.2.8 of IS 15140
24	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Retraction Force Test	Cl.No. 6.2.5.2.2, 6.2.5.3.4, 7.6.4 of ECE R16
25	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Retraction Force Test	Cl.No.4.2.5.2, 4.2.5.3 and 5.3.4 of IS 15140
26	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Retractor Durability Test	Cl.No. 6.2.5.2.3, 6.2.5.3.3, 7.6.1

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27	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Retractor Durability Test	Cl.No.5.3 of IS 15140
28	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Strength Test on Adjusting Device	Cl.No 4.2.3.2, 5.2.1, 5.2.2, 5.2.5 of IS 15140
29	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive safety Belt	Strength Test on Adjusting Device	Cl.No.6.2.3.3, 7.5.1 of ECE R16
30	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Strength Test on Attachments	Cl.No 4.2.4, 5.2.1, 5.2.2 of IS 15140
31	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt	Strength Test on Attachments	Cl.No. 6.2.4, 7.5.2 of ECE R16
32	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt (Component - Webbing Strap)	Elongation Test	Cl.No.4.3.5, 4.3.6 of IS 15140
33	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt (Component - Webbing Strap)	Strap Strength Test	Cl.No 4.3.2, 5.4.2.2, 4.3.3, 5.4.2.4, 5.4.2.5, 5.4.2.6 of IS 15140
34	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt (Component - Webbing Strap)	Strap Strength Test	Cl.No.6.3.2, 6.3.3, 7.4.1, 7.4.2 of ECE R16
35	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt (Component - Webbing Strap)	Testing of strap width	Cl.No 4.3.1.2, 5.4.1 of IS 15140
36	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt (Component - Webbing Strap)	Testing of strap width	Cl.No.6.3.1.2, 7.4.3 of ECE R16
37	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt/Steering Wheel/Air Bag	Environmental Test	Cl. 4.1 of SAE J1455
38	MECHANICAL-AUTOMOTIVE COMPONENTS	Automotive Safety Belt/Steering Wheel/Air Bag	Mechanical Vibration Test	Cl. 4.10 of SAE J1455
39	MECHANICAL-AUTOMOTIVE COMPONENTS	Road Vehicles - Airbag Components - Airbag modules	Drop Test	Cl. No. 5.1 of ISO 12097-2
40	MECHANICAL-AUTOMOTIVE COMPONENTS	Road Vehicles - Airbag Components - Airbag modules	Dust Test	Cl. No. 5.3 of ISO 12097-2

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41	MECHANICAL-AUTOMOTIVE COMPONENTS	Road Vehicles - Airbag Components - Airbag modules	Simultaneous Vibration Temperature Test	Cl. no. 5.4 of ISO 12097-2
42	MECHANICAL-AUTOMOTIVE COMPONENTS	Road Vehicles - Airbag Components - Airbag modules	Static Deployment Test	Cl. No. 6.1 of ISO 12097-2
43	MECHANICAL-AUTOMOTIVE COMPONENTS	Road Vehicles - Airbag Components - Airbag modules	Thermal Humidity Cyclic Test	Cl. No. 5.5 of ISO 12097-2
44	MECHANICAL-AUTOMOTIVE COMPONENTS	Road Vehicles - Airbag Components - Airbag modules	Thermal Shock Test	Cl. No. 5.6 of ISO 12097-2