National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VEGA AUTO ACCESSORIES PVT. LTD. (HELMET TESTING LAB), 12-B2, SY NO. 342, BEMCIEL INDUSTRIAL ESTATE, UDYAMBAG, BELGAUM, BELAGAVI, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10164 **Page No** 1 of 7

Validity 27/12/2021 to 26/12/2023 **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	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Audibility test	ECE Reg. 22.05
2	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Audibility test	IS 4151 Clause No. 7.6 ANNEX-G
3	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Durability of Quick Release Mechanism	ECE Reg. 22.05
4	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Durability of Quick Release Mechanism	IS 4151: (Clause No. 7.10.3)
5	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Dynamic Test of Retention System	DOT FMVSS 218
6	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Dynamic Test of Retention System	ECE Reg. 22.05
7	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Dynamic Test of Retention System	IS 4151 Clause No. 6.4.1 and 7.5 ANNEX-F
8	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Ease of release test	ECE Reg. 22.05
9	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Ease of release test	IS 4151: (Clause No. 7.10.2)
10	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	General Construction (Hard Outer Shell, Ear Flaps, Neck Curtain, Detachable Peak, Visor, Lower Face Cover,Skin trouble)	DOT FMVSS 218
11	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	General Construction (Hard Outer Shell, Ear Flaps, Neck Curtain, Detachable Peak, Visor, Lower Face Cover, Skin trouble)	ECE Reg. 22.05

SCOPE OF ACCREDITATION

Laboratory Name : VEGA AUTO ACCESSORIES PVT. LTD. (HELMET TESTING LAB), 12-B2, SY NO. 342, BEMCIEL INDUSTRIAL ESTATE, UDYAMBAG, BELGAUM, BELAGAVI, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10164 **Page No** 2 of 7

Validity 27/12/2021 to 26/12/2023 **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
12	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	General Construction (Hard Outer Shell, Ear Flaps, Neck Curtain, Detachable Peak, Visor, Lower Face Cover, Skin trouble)	IS 4151 Clause No. 6.1
13	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Impact Absorption Test - Absorption efficiency in terms of resultant acceleration measured at the center of gravity of the head form.	DOT FMVSS 218
14	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Impact Absorption Test - Absorption efficiency in terms of resultant acceleration measured at the center of gravity of the head form.	ECE Reg. 22.05
15	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Impact Absorption Test - Friction%	DOT FMVSS 218
16	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Impact Absorption Test - Friction%	ECE Reg. 22.05
17	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Impact Absorption Test - HIC (Head Injury Criteria)	ECE Reg. 22.05
18	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Impact Absorption Test - Absorption efficiency in terms of resultant acceleration measured at the center of gravity of the head form	IS 4151 (Clause No. 7.2 ANNEX-C)
19	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Impact Absorption Test - Friction%	IS 4151 Clause No. 7.2 ANNEX-C
20	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Marking	DOT FMVSS 218
21	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Marking	ECE Reg. 22.05
22	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Marking	IS 4151:(Clause No. 9.0)

SCOPE OF ACCREDITATION

Laboratory Name : VEGA AUTO ACCESSORIES PVT. LTD. (HELMET TESTING LAB), 12-B2, SY NO. 342, BEMCIEL INDUSTRIAL ESTATE, UDYAMBAG, BELGAUM, BELAGAVI, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10164 **Page No** 3 of 7

Validity 27/12/2021 to 26/12/2023 **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
23	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Mass	DOT FMVSS 218
24	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Mass	ECE Reg. 22.05
25	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Mass	IS 4151 Clause No. 6.9
26	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Microslip test of Chin Strap	ECE Reg. 22.05
27	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Microslip test of Chin Strap	IS 4151 Clause No. 7.8 ANNEX J
28	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Penetration test	DOT FMVSS 218
29	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Peripheral Vision (Positioning of the helmet on the headform)-Brow Opening	DOT FMVSS 218
30	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Peripheral Vision (Positioning of the helmet on the headform)-Vision Angle	DOT FMVSS 218
31	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Peripheral Vision (Positioning of the helmet on the headform)-Vision Angle	ECE Reg. 22.05
32	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Peripheral Vision (Positioning of the helmet on the headform)-Vision Angle	IS 4151 Clause No. 6.7, ANNEX-B
33	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Protective Padding	DOT FMVSS 218
34	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Protective Padding	ECE Reg. 22.05
35	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Protective Padding	IS 4151 Clause No. 6.3
36	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Resistance to Abrasion of the Chin Strap	ECE Reg. 22.05

SCOPE OF ACCREDITATION

Laboratory Name : VEGA AUTO ACCESSORIES PVT. LTD. (HELMET TESTING LAB), 12-B2, SY NO. 342, BEMCIEL INDUSTRIAL ESTATE, UDYAMBAG, BELGAUM, BELAGAVI, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10164 **Page No** 4 of 7

Validity 27/12/2021 to 26/12/2023 **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
37	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Resistance to Abrasion of the Chin Strap	IS 4151 Clause No. 7.9 ANNEX-K
38	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Retention (Detaching) Test	ECE Reg. 22.05
39	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Retention (Detaching) Test	IS 4151 Clause No. 7.7 ANNEX-H
40	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Retention system	DOT FMVSS 218
41	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Retention system	ECE Reg. 22.05
42	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Retention System	IS 4151 Clause No. 6.4
43	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Rigidity	ECE Reg. 22.05
44	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Rigidity	IS 4151 Clause No. 7.3 ANNEX-D
45	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Salt Spray Test Screws & Rivets (Metal Parts)	IS 9844
46	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Shell	DOT FMVSS 218
47	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Shell	ECE Reg. 22.05
48	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Shell	IS 4151 Clause No. 6.2
49	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Size (by matching with Head Forms)	DOT FMVSS 218
50	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Size (by matching with Head Forms)	ECE Reg. 22.05

SCOPE OF ACCREDITATION

Laboratory Name : VEGA AUTO ACCESSORIES PVT. LTD. (HELMET TESTING LAB), 12-B2, SY NO. 342, BEMCIEL INDUSTRIAL ESTATE, UDYAMBAG, BELGAUM, BELAGAVI, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10164 **Page No** 5 of 7

Validity 27/12/2021 to 26/12/2023 **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
51	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Size (by matching with Head Forms)	IS 4151 Clause No. 5
52	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Tensile Test of Chin Strap	ECE Reg. 22.05
53	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Tensile Test of Chin Strap	IS 4151: (Clause No. 7.9.3)
54	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Test for Projections & Surface Friction (Method-B)	DOT FMVSS 218
55	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Test for Projections & Surface Friction (Method-B)	ECE Reg. 22.05
56	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Test for Projections & Surface Friction (Method-B)	IS 4151 Clause No. 7.4 ANNEX-E
57	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Workmanship & Finish (Edge Smooth & Round)	DOT FMVSS 218
58	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Workmanship & Finish (Edge Smooth & Round)	ECE Reg. 22.05
59	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two -Wheeler Rider	Workmanship & Finish (Edge Smooth & Round)	IS 4151 Clause No. 6.8
60	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two-Wheeler Rider	Material: Shell, Protective Padding, Comfort Padding, Retention System, Metal Parts and Visors	IS 4151 Clause No. 4 i.e. 4.1 to 4.4
61	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two-Wheeler Rider	Material: Shell, Protective Padding, Comfort, Padding, Retention System, Metal Parts and Visors	ECE Reg 22.05
62	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Protective Helmet for Two-Wheeler Rider	Material: Shell,Protective Padding, Comfort Padding, Retention System, Metal Parts and Visors	DOT FMVSS 218
63	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Abrasion test	ECE Reg. 22.05

SCOPE OF ACCREDITATION

Laboratory Name : VEGA AUTO ACCESSORIES PVT. LTD. (HELMET TESTING LAB), 12-B2, SY NO. 342, BEMCIEL INDUSTRIAL ESTATE, UDYAMBAG, BELGAUM, BELAGAVI, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10164 **Page No** 6 of 7

Validity 27/12/2021 to 26/12/2023 **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
64	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Design	ECE Reg. 22.05
65	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Design	IS 9973: (Clause No. 4.1)
66	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Diffuse Transmittance	ECE Reg. 22.05
67	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Diffuse Transmittance	IS 9973:(Clause No. 5.4.4)
68	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Distortion	ECE Reg. 22.05
69	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Distortion	IS 9973: (Clause No. 5.4.1)
70	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Field of Vision	ECE Reg. 22.05
71	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Field of Vision	IS 9973: (Clause No. 5.5)
72	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Flammability Resistance	IS 9973:(Clause No. 5.3)
73	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Impact Resistance	ECE Reg. 22.05
74	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Impact Resistance	IS 9973: (Clause No. 5.1)
75	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Instruction	ECE Reg. 22.05
76	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Instruction	IS 9973: (Clause No. 8.1)
77	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Light Transmission	ECE Reg. 22.05

SCOPE OF ACCREDITATION

Laboratory Name : VEGA AUTO ACCESSORIES PVT. LTD. (HELMET TESTING LAB), 12-B2, SY NO. 342, BEMCIEL INDUSTRIAL ESTATE, UDYAMBAG, BELGAUM, BELAGAVI, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10164 **Page No** 7 of 7

Validity 27/12/2021 to 26/12/2023 **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
78	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Light Transmission	IS 9973: (Clause No. 5.4.5)
79	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Marking	ECE Reg. 22.05
80	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Marking	IS 9973:(Clause No. 9.1)
81	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Mass	ECE Reg. 22.05
82	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Mass	IS 9973:(Clause No. 7)
83	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Materials	ECE Reg. 22.05
84	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Materials	IS 9973: (Clause No. 3.1)
85	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Penetration Resistance	ECE Reg. 22.05
86	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Penetration Resistance	IS 9973: (Clause No. 5.2)
87	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Prismatic Error	IS 9973: (Clause No. 5.4.3)
88	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Spherical & Cylindrical Error	IS 9973:(Clause No. 5.4.2)
89	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Workmanship & Finish	ECE Reg. 22.05
90	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Visor of scooter / Two-Wheeler Rider helmets	Workmanship & Finish	IS 9973:(Clause No. 6)