



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name PHOTOMETRY LABORATORY, P. M. ELECTRO-AUTO PVT. LTD., SURVEY NO.102/1/2 NAGAR PARISHAD HOUSE, MAHIM ROAD, PALGHAR, PALGHAR WEST, MAHARASHTRA , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5762 Page No. : 1 / 9

Validity 29/05/2019 to 28/05/2021 Last Amended on 31/07/2019

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
1	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical, Electronics Apparatus, Equipment's, Appliances & Lighting Equipment's	Surge	IEC 61000-4-5 Cl. No. 6.2: 2017
2	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical, Electronics Apparatus, Equipment's, Appliances & Lighting Equipment's	Surge	IS 14700 (Part 4/Sec 5) Cl. No. 6.1: 2018
3	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical, Electronics Apparatus, Equipment's, Appliances & Lighting Equipment's	Total Harmonic Distortion	IS 14700 (Part 4/Sec 5) Cl. No. 7.3 (Only for Class C): 2012
4	ELECTRICAL- EMI / EMC TEST FACILITY	All Electrical, Electronics Apparatus, Equipment's, Appliances & Lighting Equipment's	Total Harmonic Distortion	IEC 61000-3-2 Cl. No. 7.3 (Only for Class C): 2014
5	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronic Equipments	Insulation Resistance	IEC 60065 Cl. No. 10.4: 2001
6	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronic Equipments	Dielectric Strength	IS 616 Cl. No. 10.4: 2010
7	ELECTRONICS- SAFETY TESTING FACILITY	Audio, Video & Similar Electronic Equipments	Dielectric Strength	IEC 60065 Cl. No. 10.4: 2001



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8	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video & Similar Electronic Equipments	Insulation Resistance	IS 616 Cl. No. 10.4: 2017
9	ELECTRONICS-SAFETY TESTING FACILITY	Audio, Video & Similar Electronic Equipments	Provision for Protective Earthing	IS 616 Cl. No. 15.2: 2010
10	ELECTRONICS-SAFETY TESTING FACILITY	Electric Food Mixers and Centrifugal Juicers	Electric Strength	IS 4250 Amd. 9 Cl. No. 16: 2006
11	ELECTRONICS-SAFETY TESTING FACILITY	Electric Food Mixers and Centrifugal Juicers	Insulation Resistance	IS 4250 Amd. 9 Cl. No. 13: 2006
12	ELECTRONICS-SAFETY TESTING FACILITY	Electric Iron	Electric Strength	IS 366 Amd. 6 Cl. No. 9: 2011
13	ELECTRONICS-SAFETY TESTING FACILITY	Electric Iron	Provision for Earthing	IS 366 Amd. 6 Cl. No. 9: 2011
14	ELECTRONICS-SAFETY TESTING FACILITY	Electric Iron	Provision for Earthing	IEC 60335-2-3 Amd.2: 2008
15	ELECTRONICS-SAFETY TESTING FACILITY	Information Technology Equipment	Electric Strength	IEC 60950-1 Cl. No. 5.2: 2005
16	ELECTRONICS-SAFETY TESTING FACILITY	Information Technology Equipment's	Electric Strength	IS 13252 (Part 1) Cl. No. 5.2 : 2010



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17	ELECTRONICS-SAFETY TESTING FACILITY	Information Technology Equipment's	Electrical Insulation	IS 13252 (Part 1) : 2010
18	ELECTRONICS-SAFETY TESTING FACILITY	Luminaires	Insulation Resistance and Electrical Strength	IS 10322 (Part 1) Cl. 10.2: 2014
19	ELECTRONICS-SAFETY TESTING FACILITY	Microwave Ovens	Electric Strength	IS 11676 Cl. No. 9: 1995
20	ELECTRONICS-SAFETY TESTING FACILITY	Microwave Ovens	Insulation Resistance	IS 11676 Cl. No. 9: 1995
21	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Systems (UPS)	Electric Strength	IS 16242 (Part 1) Cl. No. 5.2: 2014
22	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Systems (UPS)	Electric Strength	IEC 62040-1 Cl. No. 8.2: 2008
23	ELECTRONICS-SAFETY TESTING FACILITY	Uninterruptible Power Systems (UPS)	Protective Earthing and Bonding	IS 16242 (Part 1) Cl. No. 5.3: 2014
24	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Electro Technical Items	IMPACT TEST - Spring Hammer	IEC 60068-2-75 CLAUSE :6: 2014
25	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Electro Technical Items	IMPACT TEST - Vertical Hammer	IEC 60068-2-75 CLAUSE : 7: 2014



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26	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Electro Technical Items	IMPACT Test- Pendulum Hammer	IEC 60068-2-75 CLAUSE :5: 2014
27	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Electro Technical Items	IMPACT TEST-Spring Hammer	IS 9000-7-7, Cl. No. 5: 2006
28	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Enclosure for Electrical Equipments	IMPACT TEST- Spring Hammer	IEC 62262, Cl. No. 6: 2002
29	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Enclosures for Electrical Equipment	Impact Test- Pendulum Hammer-Vertical Hammer	IEC 62262 Cl. No. 6: 2002
30	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Enclosures for Electrical Equipment	Impact Test- Pendulum Hammer-Vertical Hammer	IEC 60068-2-75 Cl. No. 4,5 & 7: 2014
31	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Enclosures for Electrical Equipment	Impact Test- Pendulum Hammer-Vertical Hammer	IS 9000 (Part 7/Sec 7): 2006 Cl. No.4 & 6: 2016
32	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Various Electro Technical Items	Impact Test- Pendulum Hammer-Vertical Hammer	IS 9000 (Part 7/ Sec 7): 2006 Cl. no. 4 & 6: 2016



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33	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Fixed General Purpose Luminaires	Photometry test	IS 10322-5-1, CI No. 17: 2012
34	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Flood Lights	Photometry test	IS 10322-5-5, CI No. 17: 2013
35	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Chromaticity Coordinates coordinate	IEC 62717: 2011
36	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Chromaticity Coordinates Coordinate	IS 16103-2 Cl. No. 9.1: 2012
37	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Chromaticity Coordinates coordinate	IS 16103-2 Cl. No. 9.1: 2012
38	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Chromaticity Coordinates coordinate	IEC 62717: 2011
39	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Color Rendering Index	IS 16103-2 Cl. No. 9.3: 2012
40	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Color Rendering Index	IEC 62717: 2011
41	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Luminous Efficacy	IEC 62717: 2011



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42	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Luminous Efficacy	IS 16103-2 Clause No. 8.3: 2012
43	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Luminous Intensity Distribution, Peak Intensity and Beam Angle	IEC 62717: 2011
44	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Luminous Intensity Distribution, Peak Intensity and Beam Angle	IS 16103- 2 Clause No. 8.2: 2012
45	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Performance Requirements Luminous Flux	IEC 62717: 2011
46	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Performance RequirementsCorrelated Color Temperature	IEC 62717: 2011
47	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Performance RequirementsCorrelated Color Temperature	IS 16103-2 Cl. No. 9.2: 2012
48	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	LED Modules for General Lighting	Performance RequirementsLuminous Flux	IS 16103-2 Cl. No. 8.1: 2012
49	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Luminaires for Road and Street Lighting	Photometry test	IS 10322-5-3, CI No. 17: 2012
50	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Portable General Purpose Luminaires	Photometry test	IS 10322-5-4, CI No. 13.8: 1987



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51	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Recessed Luminaires	Photometry test	IS 10322-5-2, CI No. 17: 2012
52	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Chromaticity Coordinates x coordinate	IS 16106, CI No. 14: 2012
53	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Chromaticity Coordinatesx coordinate	IES LM-79 CI No. 12: 2008
54	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Chromaticity Coordinatesy coordinate	IS 16106, CI No. 14: 2012
55	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Chromaticity Coordinatesy coordinate	IES LM-79 CI No. 12: 2008
56	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Color Rendering Index	IES LM-79: 2008
57	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Color Rendering Index	IS 16106 CI. No. 14: 2012
58	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Correlated Color Temperature	IS 16106 CI. No. 14: 2012
59	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Correlated Color Temperature	IES LM-79: 2008



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60	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Luminous Efficacy	IES LM-79: 2008
61	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Luminous Efficacy	IS 16106 Cl. No. 10: 2012
62	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Luminous Intensity Distribution	IES LM-79: 2008
63	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Luminous Intensity Distribution	IS 16106 Cl. No. 12: 2012
64	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Total Luminous flux	IES LM-79: 2008
65	PHOTOMETRY- LIGHT SOURCES (ELECTRIC LAMP)	Solid State Lighting Products	Total Luminous Flux	IS 16106 Cl. No.11: 2012
66	PHOTOMETRY- LUMINARIES	LED Luminaires	Chromaticity Coordinatesx coordinate	IS 16107-2-1, CI No. 9.1: 2012
67	PHOTOMETRY- LUMINARIES	LED Luminaires	Chromaticity Coordinatesx coordinate	IEC 62722-2-1: 2011
68	PHOTOMETRY- LUMINARIES	LED Luminaires	Chromaticity Coordinatesy coordinate	IEC 62722-2-1: 2011
69	PHOTOMETRY- LUMINARIES	LED Luminaires	Chromaticity Coordinatesy coordinates	IS 16107-2-1, CI. No. 9.1: 2012
70	PHOTOMETRY- LUMINARIES	LED Luminaires	Color Rendering Index	IS 16107-2-1 Cl. No. 9.3: 2012



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71	PHOTOMETRY-LUMINARIES	LED Luminaires	Color Rendering Index	IEC 62722-2-1: 2011
72	PHOTOMETRY-LUMINARIES	LED Luminaires	Correlated Color Temperature	IS 16107-2-1 CI No. 9.2: 2012
73	PHOTOMETRY-LUMINARIES	LED Luminaires	Correlated Color Temperature	IEC 62722-2-1: 2011
74	PHOTOMETRY-LUMINARIES	LED Luminaires	Luminous Efficacy	IS 16107-2-1 Clause No. 8.3: 2012
75	PHOTOMETRY-LUMINARIES	LED Luminaires	Luminous Efficacy	IEC 62722-2-1: 2011
76	PHOTOMETRY-LUMINARIES	LED Luminaires	Luminous Flux	IEC 62722-2-1: 2011
77	PHOTOMETRY-LUMINARIES	LED Luminaires	Luminous Flux	IS 16107-2-1 Clause No. 8.1: 2012
78	PHOTOMETRY-LUMINARIES	LED Luminaires	Luminous Intensity Distribution, Peak Intensity and Beam Angle	IS 16107-2-1 Clause No. 8.2: 2012
79	PHOTOMETRY-LUMINARIES	LED Luminaires	Luminous Intensity Distribution, Peak Intensity and Beam Angle	IEC 62722-2-1: 2011