National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TEST MASTER, A-36 SHAKTI VIHAR, GEETA MANDIR ROAD, MOHAN GARDEN, UTTAM NAGAR, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5269 **Page No** 1 of 8

Validity 20/07/2022 to 19/07/2024 **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	MECHANICAL-AUTOMOTIVE COMPONENTS	Air filter for Passenger compartments	Test for Particulate filtration: Determine the Fractional efficiency by Particle counter	ISO 11155 Part 1
2	MECHANICAL-AUTOMOTIVE COMPONENTS	Air filter for Passenger compartments	Test for Particulate filtration: Filter Dust capacity Test	ISO 11155 Part 1
3	MECHANICAL-AUTOMOTIVE COMPONENTS	Air filter for Passenger compartments	Test for Particulate filtration: Nominal Flow Rate	ISO 11155 Part 1
4	MECHANICAL-AUTOMOTIVE COMPONENTS	Air filter for Passenger compartments	Test for Particulate filtration: Pressure Loss:	ISO 11155 Part 1
5	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Burst test of complete filters	ISO-4020(6.7)
6	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Capacity	ISO 19438
7	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Collapse/ burst test of the filter element	ISo 4020(6.6)
8	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Differential pressure	ISO 19438
9	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Fabrication Integrity test	ISO-4020(6.2)
10	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Particle size	ISO 19438
11	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Pulsating pressure fatigue test	ISO-4020(6.8)
12	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Test for cleanliness of new filter	ISO 4020(6.1)
13	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Test for differential pressure of new filters - Flow	ISO-4020(6.3)-

SCOPE OF ACCREDITATION

Laboratory Name : TEST MASTER, A-36 SHAKTI VIHAR, GEETA MANDIR ROAD, MOHAN GARDEN, UTTAM NAGAR, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5269 **Page No** 2 of 8

Validity 20/07/2022 to 19/07/2024 **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
14	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Test for differential pressure of new filters I) Inlet Pressure II) Outlet Pressure	ISO-4020(6.3)
15	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Test for instantaneous filtration efficiency and filter life	ISO-4020(6.4)
16	MECHANICAL-AUTOMOTIVE COMPONENTS	Diesel fuel and petrol filter	Test for instantaneous filtration efficiency and filter life	ISO-4020(6.4)
17	MECHANICAL-AUTOMOTIVE COMPONENTS	Inlet air cleaning equipment	Collection Efficiency i) Initial efficiency ii) Full-life efficiency iii) Pre-cleaner efficiency	ISO-5011(E)
18	MECHANICAL-AUTOMOTIVE COMPONENTS	Inlet air cleaning equipment	Dust Capacity	ISO 5011(E)
19	MECHANICAL-AUTOMOTIVE COMPONENTS	Inlet air cleaning equipment	Fractional Efficiency testing with Fine particles(0.3µ to 5µ optical diameter)	ISO/TS 19713-1
20	MECHANICAL-AUTOMOTIVE COMPONENTS	Inlet air cleaning equipment	Fractional efficiency testing witrh coarse particles (5µ to 40µ optical diameter)	ISO/TS 19713-2
21	MECHANICAL-AUTOMOTIVE COMPONENTS	Inlet air cleaning equipment	Oil carry-over on oil bath air cleaners	ISO 5011(E)
22	MECHANICAL-AUTOMOTIVE COMPONENTS	Inlet air cleaning equipment	Pressure loss	ISO-5011(E)
23	MECHANICAL-AUTOMOTIVE COMPONENTS	Inlet air cleaning equipment	Restriction or Differential pressure	ISO-5011(E)
24	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil and fuel filter	Fabrication Integrity test	ISO-2942
25	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	A. Initial practical retention efficiency - Flow	ISO-4548-4
26	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	A. Initial practical retention efficiency i) Inlet Pressure ii) Outlet Pressure	ISO-4548-4
27	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	B) Life and Cumulated	ISO-4548-4

SCOPE OF ACCREDITATION

Laboratory Name : TEST MASTER, A-36 SHAKTI VIHAR, GEETA MANDIR ROAD, MOHAN GARDEN, UTTAM NAGAR, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5269 **Page No** 3 of 8

Validity 20/07/2022 to 19/07/2024 **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
28	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Capacity	ISO 4548-12
29	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Cooled start simulator and hydraulic pulse durability for composite filter housings	ISO 4548-14
30	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Cooled start simulator and hydraulic pulse durability test (On/Off time)	ISO-4548-5
31	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Differential pressure	ISO 4548-12
32	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Differential pressure/ Flow characteristics - Flow	ISO-4548-1
33	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Differential pressure/ Flow characteristics I) Inlet Pressure II) Outlet Pressure	ISO-4548-1
34	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Elevated temperature test	ISO-4548-3
35	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Inlet and outlet anti drain valve test	ISO-4548-9
36	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Inlet and outlet anti drain valve test	ISO-4548-9
37	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Oil outlet drain flow	ISO 4548- 2
38	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Particle size	ISO 4548-12
39	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Pressure	ISO 4548 - 2
40	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Resistance to high differential pressure test	ISO-4548-3
41	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Static burst pressure	ISO-4548-6

SCOPE OF ACCREDITATION

Laboratory Name : TEST MASTER, A-36 SHAKTI VIHAR, GEETA MANDIR ROAD, MOHAN GARDEN, UTTAM NAGAR, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5269 **Page No** 4 of 8

Validity 20/07/2022 to 19/07/2024 **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
42	MECHANICAL-AUTOMOTIVE COMPONENTS	Oil filter	Static burst pressure test for composite filter housings	ISO 4548-13
43	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air cleaning device	Determination of Particle size Efficiency.	ANSI/ASHRAE Standard 52.2
44	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air cleaning device	Dust holding capacity	ANSI/ASHRAE Standard 52.2
45	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air cleaning device	Measurement of resistance	ANSI/ASHRAE Standard 52.2
46	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air cleaning device	Minimum efficiency reporting value	ANSI/ASHRAE Standard 52.2
47	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter (EPA, HEPA & ULPA)	Determination Leakage of filter element	BS/EN 1822-4
48	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter (EPA, HEPA & ULPA)	Determination the efficiency of the filter element	BS/EN 1822-5
49	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter (EPA, HEPA & ULPA)	High Efficiency air filter classification, performance testing, marking	BS/EN 1822-1
50	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter (EPA, HEPA & ULPA)	High efficiency air filter-Aerosol Production measurement Equipment Particle counting static	BS/EN 1822-2
51	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter (EPA, HEPA & ULPA)	Testing Flat sheet media filter: Air flow	BS/EN 1822-3
52	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter (EPA, HEPA & ULPA)	Testing Flat sheet media filter: Air flow resistance	BS/EN 1822-3
53	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter (EPA, HEPA & ULPA)	Testing Flat sheet media filter: Fractional effciency	BS/EN 1822-3
54	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter (EPA, HEPA & ULPA)	Testing Flat sheet media filter: Gravimetric efficiency	BS/EN 1822-3

SCOPE OF ACCREDITATION

Laboratory Name : TEST MASTER, A-36 SHAKTI VIHAR, GEETA MANDIR ROAD, MOHAN GARDEN, UTTAM NAGAR, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5269 **Page No** 5 of 8

Validity 20/07/2022 to 19/07/2024 **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
55	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General ventilation	Arrestance	IS 17570-3
56	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Filter for General Ventilation	Arrestance	ISO 16890-3
57	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General Ventilation	Arrestance and test dust capacity	BS/EN 779
58	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General ventilation	Classification system based upon particulate matter efficiency (EPM)	ISO 16980-1
59	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Filter for General Ventilation	Conditioning Method to Determine the Minimum Fractional Test Efficiency	ISO 16890-4
60	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Filter for General Ventilation	Conditioning method to dtermine the minimum fractional test efficiency	IS 17570-4
61	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General Ventilation	Efficiency: Initial and average	BS/EN 779
62	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General Ventilation	Initial and final pressure drop	BS/EN 779
63	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Filter for General Ventilation	Initial resistance to airflow	IS 17570-3
64	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General Ventilation	Initial resistance to airflow	ISO 16890-2
65	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General Ventilation	Measurement fractional efficiency	ISO 16890-2
66	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General ventilation	Measurement of fractional efficiency	IS 17570-2
67	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Filter for General Ventilation	Measurement of resistance to flow	ISO 16890-3
68	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Filter for General Ventilation	Mesaurement of resistance to air flow	IS 17570-2

SCOPE OF ACCREDITATION

Laboratory Name : TEST MASTER, A-36 SHAKTI VIHAR, GEETA MANDIR ROAD, MOHAN GARDEN, UTTAM NAGAR, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5269 **Page No** 6 of 8

Validity 20/07/2022 to 19/07/2024 **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
69	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General ventilation	Technical Specification, requirements of classification system based upon particulate matter efficiency	IS 17570-1
70	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air Filter for General Ventilation	Test dust capacity	IS 17570-3
71	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Air filter for General Ventilation	Test dust capacity	ISO 16890-3
72	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room air cleaner	CADR with pollen	AHAM- AC- 1
73	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room air cleaner	CADR with smoke	AHAM- AC- 1
74	MECHANICAL- HEATING, VENTILATING, AND AIR CONDITIONING(HVAC)	Room air cleaner	CADR with synthetic dust	AHAM- AC- 1
75	MECHANICAL- TEXTILE MATERIALS	Air Purifying Respirators- STP (Standard Testing Procedure)	Determination of air flow resistance of breath responsive.	NIOSH-RCT-APR-STP-0065
76	MECHANICAL- TEXTILE MATERIALS	Air Purifying Respirators- STP (Standard Testing Procedure)	Determination of exhalation valve leakage test.	NIOSH-RCT-APR-STP-0004
77	MECHANICAL- TEXTILE MATERIALS	Air Purifying Respirators- STP (Standard Testing Procedure)	Determination of particulate filter efficiency for N95 series filters aginst solid particulates	NIOSH- TEB- APR- STP 0059
78	MECHANICAL- TEXTILE MATERIALS	Medical Face Mask	Breathability test	EN 14683
79	MECHANICAL- TEXTILE MATERIALS	Medical Face Mask	Particulate filtration efficiency test	ASTM F2299/ F2299M-03
80	MECHANICAL- TEXTILE MATERIALS	Medical Face Mask	Resistance to penetration by synthetic blood test	ASTM F1862/ F1862M-17
81	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- Filtering half masks	Breathing resistance- inhalation and exhalation test	BS EN 149:2001+A1
82	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Breathing resistance- inhalation and exhalation test	IS 9473
83	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Carbon die oxide content of the Inhalation air test	BS EN 149:2001+A1

SCOPE OF ACCREDITATION

Laboratory Name : TEST MASTER, A-36 SHAKTI VIHAR, GEETA MANDIR ROAD, MOHAN GARDEN, UTTAM NAGAR, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5269 **Page No** 7 of 8

Validity 20/07/2022 to 19/07/2024 **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
84	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Carbon die oxide content of the Inhalation air test	IS 9473
85	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Cleaning and disinfecting (As per customer declaration)	BS EN 149:2001+A1
86	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Cleaning and disinfecting (As per customer declaration)	IS 9473
87	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Clogging test with coal dust	BS EN 149:2001+A1
88	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Clogging test with coal dust	IS 9473
89	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Clogging test with dolomite dust	BS EN 149:2001+A1
90	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Clogging test with dolomite dust	IS 9473
91	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Field of vision test	BS EN 149:2001+A1
92	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Field of vision test	IS 9473
93	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Flammability test	BS EN 149:2001+A1
94	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Flammability test	IS 9473
95	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Inhalation and Exhalation valve leakage test	BS EN 149:2001+A1
96	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Inhalation and Exhalation valve leakage test	IS 9473
97	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Packing material (As per customer declaration)	BS EN 149:2001+A1
98	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Packing material (As per customer declaration)	IS 9473
99	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Particulate filter efficiency N95 test with paraffin oil	BS EN 149:2001+A1
100	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Particulate filter efficiency N95 test with sodium chloride	BS EN 149:2001+A1
101	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Particulate filter efficiency N95 test with sodium chloride	IS 9473
102	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Particulate filter efficiency N95 test wtih paraffin oil	IS 9473

SCOPE OF ACCREDITATION

Laboratory Name : TEST MASTER, A-36 SHAKTI VIHAR, GEETA MANDIR ROAD, MOHAN GARDEN, UTTAM NAGAR, NEW DELHI, DELHI, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5269 **Page No** 8 of 8

Validity 20/07/2022 to 19/07/2024 **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
103	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Practical performance test with trade mill	IS 9473
104	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Practical performance test with trade mill	BS EN 149:2001+A1
105	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Temperature conditioning @ (-30°c) and (+70°c)	BS EN 149:2001+A1
106	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Temperature conditioning @ (-30°c) and (+70°c)	IS 9473
107	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Total inward leakage test: Face seal leakage	BS EN 149:2001+A1
108	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Total inward leakage test: Face seal leakage	IS 9473
109	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Visual inspection test	BS EN 149:2001+A1
110	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices- FIltering half masks	Visual inspection test	IS 9473
111	MECHANICAL- TEXTILE MATERIALS	Surgical Face Masks	Differential pressure/ Delta P test	IS 16289
112	MECHANICAL- TEXTILE MATERIALS	Surgical Face Masks	Fluid / splash resistance test	IS 16289
113	MECHANICAL- TEXTILE MATERIALS	Surgical Face Masks	Particulate filtration efficiency test	IS 16289