



Test Master®

World Class NABL Accredited Filter Test Lab

Air, Oil & Hydraulic, and Fuel Filter

Third Party NABL (ISO 17025 : 2017 Accredited Lab)

Air Filter



Oil & Hydraulic Filter



Fuel Filter



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Air Filter Test With NABL (ISO 17025 : 2017)-Scope of Accreditation

- * **ISO 5011** : Inlet air cleaning equipment for internal combustion engines and compressors — Performance testing.
- * **ISO 11155 Part1** :-Road vehicles - Air filters for passenger compartments - Part 1: Test for particulate filtration. Road vehicles - Air filters for passenger compartments.
- * **ISO/TS 19713 Part1 & Part-2** :- Road vehicles - Inlet air cleaning equipment for internal combustion engines and compressors - Part 1: Fractional efficiency testing with fine particles (0,3 µm to 5 µm optical diameter)- Part 2: Fractional efficiency testing with coarse particles (5 µm to 40 µm optical diameter).

Air Filter Test Without NABL (ISO 17025 : 2017)-Scope of Accreditation

- * **ISO 11155 Part 2** :- Road vehicles — Air Filters For Passenger Compartments Part 2: Test For Gaseous Filtration
- * **DIN 71460** :- Road vehicles — Air Filters For Passenger Compartments
- * **ISO 12500** :- Filter For Compressed Air-Test Methods
- * **KS-294:2012** : Standard For Air Filter Test
- * **JIS D-1612** :-Test Method Of Air Cleaners For Automobiles
- * **UAE GSO ISO 11841** :-Standard For Air Filter Tests



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Oil Filter Test With NABL (ISO 17025 : 2017)-Scope of Accreditation

- * ISO 4548 1:- Differential pressure/ flow characteristics
- * ISO 4548-2 :-Element by-pass valve characteristics.
- * ISO 4548-3 :-Resistance to high differential pressure and to elevated temperature.
- * ISO 4548-4 :-Initial particle retention efficiency, life and cumulative efficiency (gravimetric method).
- * ISO 4548-5 :-Test for cold start simulation and hydraulic pulses durability.
- * ISO 4548-6 :-Static burst pressure test.
- * ISO 4548-9 :-Inlet And Outlet Filter Anti Drain Valve Tests.
- * ISO 4548-12 :-Oil Filters for Internal Combustion Engines – Filtration Efficiency using Particle Counting and Contaminant retention Capacity

Multi pass Test

- * ISO 4548-13 :-Static burst pressure test for composite filter housings.ulti Pass Test.I
- * ISO 4548-14 :-Cooled Start Simulator And Hydraulic Pulse Durability For Composite Filter Housings.
- * ISO 2942 :-Hydraulic fluid power — Filter elements — Verification of fabrication integrity and determination of the first bubble point.

Oil Filter Test Without NABL (ISO 17025 : 2017)-Scope of Accreditation

- * ISO 16889 :- Multi pass method for evaluating filtration performance of a new element
- * KS-293 : 2010 :- StaStandard for Oil Test
- * JIS D-1611 :- Automotive Parts-lubricating Oil Filters for internal Combustion Engines
- * SAE-HS 806 :- Standard for Engine Lube Oil Filters Tests
- * UAE GSO 1605 :-Oil & Hydraulic Filter Element or Spin-On Type Test



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Fuel Filter Test With NABL (ISO 17025 : 2017)-Scope of Accreditation

- * ISO-4020(6.1) :- Test For Cleanliness Of New Filter.
- * ISO-4020(6.2) :- Fabrication Integrity test (Fabrication Integrity And Determination Of The First Bubble).
- * ISO-4020(6.3) :- Test For Differential Pressure Of New Filters I) Inlet Pressure II) Outlet Pressure.
- * ISO-4020(6.4) :- Test For Instantaneous Filtration Efficiency And Filter Life.
- * ISO-4020(6.5) :- Test For Water Separation Efficiency.
- * ISO-4020(6.6) :-Collapse/ Burst Test Of The Filter Element.
- * ISO-4020(6.7) :-Burst Test Of Complete Filters.
- * ISO-4020(6.8):- Pulsating Pressure Fatigue Test.
- * ISO-4020(6.9) :- Vibration Resistance Fatigue Test.
- * ISO 19438 :-Fuel Filter : Diesel fuel and Petrol filters for filtration efficiency using particle counting and retention capacity test.

Fuel Filter Test Without NABL (ISO 17025 : 2017)-Scope of Accreditation

- * ISO-4020(6.9) :- Road Vehicles-Fuel Filters For Diesel Engines
- * KS-334:2012 :- Standard for Fuel Filter Tests
- * JIS D-1617 :- Automobile Parts-Fuel Filters For Diesel Engines -Test Methods
- * SAE J 905 :- Fuel Filter Test Method
- * IS 3351 :-Road Vehicles-Fuel Filters For Diesel Engines



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