National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHITTOOR SMART LABORATORY, INDIAN OIL CORPORATION LIMITED, INDIAN OIL CORPORATION LIMITED, YADAMARI (VI&M), CHITTOOR, ANDHRA PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6024 **Page No** 1 of 2

Validity 03/02/2022 to 19/08/2023 **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	CHEMICAL- LUBRICANTS	Automotive Diesel, 2T	Kinematic Viscosity @ 40°C by Stabinger Method	ASTM D7042
2	CHEMICAL- LUBRICANTS	Automotive Diesel, 2T Supreme	Colour ASTM	ASTM D1500, IS 1448 (P:12)
3	CHEMICAL- LUBRICANTS	Automotive Diesel, 2T Supreme	Kinematic Viscosity@40 °C	ASTM D445, IS 1448 (P:25/Sec 1)
4	CHEMICAL- LUBRICANTS	HFHSD, 2T Supreme	Flash Point (PMCC)	ASTM D93, IS 1448 (P:21)
5	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel	Cetane Index (Calculated)	ASTM D4737-10
6	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel	Pour Point Test	ASTM D97, IS 1448 (Part 10/Sec 2)
7	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, Kerosene	Abel Flash Point by Automatic Method	IP-170
8	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, Kerosene	Flash Point (Abel)	IS 1448 (P:20)
9	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, Motor Gasoline, Kerosene	Auto-Distillation	ASTM D86
10	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, Motor Gasoline, Kerosene	Density by Hydrometer	ASTM D1298, IS 1448 (P:16)
11	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, Motor Gasoline, Kerosene	Distillation	ASTM D86, IS 1448 (P:18)
12	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, Motor Gasoline, Kerosene	Distillation	ASTM D86, IS 1448 (P:18)
13	CHEMICAL- PETROLEUM AND PRODUCTS	Automotive Diesel, Motor Gasoline, Kerosene	Sulphur by EDXRF	ASTM D4294, ISO 20847
14	CHEMICAL- PETROLEUM AND PRODUCTS	Kerosene	Smoke Point	ASTM D1322, IS 1448 (P:31)
15	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Automotive Diesel, Kerosene	Appearance	Std.BIS Spec.
16	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Automotive Diesel, Kerosene	Colour (Visual)	Std.BIS Product Spec.
17	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Automotive Diesel, Kerosene	Sulphur by UVFD	ASTM D5453
18	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Kerosene	Existent Gum	ASTM D381, IS 1448 (P:29)
19	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Kerosene, Automotive Diesel	Copper Corrosion Test	ASTM D130, IS 1448 (P:15)

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20	CHEMICAL- PETROLEUM AND PRODUCTS	Motor Gasoline, Kerosene, Automotive Diesel	Density by Digital Density Meter	ASTM D4052