# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** CHITTAURGARH TERMINAL LABORATORY, INDIAN OIL CORPORATION LTD.(MD.), INDIAN OIL TERMINAL, NH 79, NIMBAHERA ROAD, JALAMPURA, CHITTAURGARH, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-9300 **Page No** 1 of 3

**Validity** 04/03/2023 to 03/03/2025 **Last Amended on** 05/03/2023

| 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- PETROLEUM AND PRODUCTS | Anhydrous Ethanol | Ethanol content | IS 15464 Annex B |
| 2 | CHEMICAL- PETROLEUM AND PRODUCTS | Anhydrous Ethanol | Acidity (as CH3COOH) | IS 15464 Annex D |
| 3 | CHEMICAL- PETROLEUM AND PRODUCTS | Anhydrous Ethanol | Aldehyde (as CH3CHO) content | IS 15464 Annex E |
| 4 | CHEMICAL- PETROLEUM AND PRODUCTS | Anhydrous Ethanol | Alkalinity | IS 15464 Annex D |
| 5 | CHEMICAL- PETROLEUM AND PRODUCTS | Anhydrous Ethanol | Appearance (visual) | IS 15464 |
| 6 | CHEMICAL- PETROLEUM AND PRODUCTS | Anhydrous Ethanol | Miscibility with water | IS 15464 Annex J |
| 7 | CHEMICAL- PETROLEUM AND PRODUCTS | Anhydrous Ethanol | Relative density at 15.6/15.6 °C | IS 15464 Annex A |
| 8 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel / Kerosene | Flash Point (Abel) | IS 1448:Part:20 |
| 9 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel | Appearance | IS 1460 |
| 10 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel | Calculated Cetane Index | ASTM D 4737 |
| 11 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel | Distillation Temperature at 95 % volume recovery | ASTM D 86 |
| 12 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel | Distillation,Temperature at 95% volume reccovery | IS 1448:Part:18 |
| 13 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel | Pour Point | IS 1448:Part:10:Sec2 |
| 14 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel, Bio Diesel (B-100) | Kinematic Viscosity at 40 ºC | IS 1448 Part:25 sec1 |
| 15 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel, Bio Diesel (B-100) | Kinematic Viscosity at 40 ºC | ASTM D 445 |
| 16 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel, Bio Diesel (B-100) | Kinematic Viscosity at 40 ºC | ASTM D 7042 |
| 17 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel,Bio Diesel (B-100), Kerosene, Motor Gasoline | Total Sulphur | ASTM D 5453 |
| 18 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel fuel. Bio Diesel (B-100), Kerosene, Motor Gasoline. | Density at 15°C by Hydrometer Method | IS 1448:Part:16 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** CHITTAURGARH TERMINAL LABORATORY, INDIAN OIL CORPORATION LTD.(MD.), INDIAN OIL TERMINAL, NH 79, NIMBAHERA ROAD, JALAMPURA, CHITTAURGARH, RAJASTHAN, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-9300 **Page No** 2 of 3

**Validity** 04/03/2023 to 03/03/2025 **Last Amended on** 05/03/2023

| 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 |
|---|---|---|---|---|
| 19 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel. Bio Diesel (B-100), Kerosene, Motor Gasoline | Copper strip corrosion, for 3 h at 50°C | IS 1448:Part:15 |
| 20 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel fuel. Bio Diesel (B-100), Kerosene, Motor Gasoline. | Density at 15°C by Hydrometer Method | ASTM D1298 |
| 21 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel. Bio Diesel (B-100), Kerosene, Motor Gasoline. | Density at 15ºC by Digital Density Meter | ASTM D4052 |
| 22 | CHEMICAL- PETROLEUM AND PRODUCTS | Biodiesel (B-100) | Cold filter plugging point (CFPP) | IS 1448 Part:110 |
| 23 | CHEMICAL- PETROLEUM AND PRODUCTS | Biodiesel (B-100) | Acid value | ASTM D 974 |
| 24 | CHEMICAL- PETROLEUM AND PRODUCTS | Biodiesel (B-100) | Appearance, visual | IS 15607 |
| 25 | CHEMICAL- PETROLEUM AND PRODUCTS | Biodiesel (B-100) | Colour, visual | IS 15607 |
| 26 | CHEMICAL- PETROLEUM AND PRODUCTS | Biodiesel (B-100) | Flash point (PMCC) | IS 1448 Part : 21 |
| 27 | CHEMICAL- PETROLEUM AND PRODUCTS | Biodiesel (B-100) | Water Content | IS 1448:Part:182 |
| 28 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene | Appearance | IS 1459 |
| 29 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene | Colour | IS 1459 |
| 30 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene | Distillation (FBP) | ASTM D 86 |
| 31 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene | Distillation (FBP) | IS 1448:Part:18 |
| 32 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene | Distillation (Recovery up to prescribed temperature) | ASTM D86 |
| 33 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene | Distillation (Recovery up to prescribed temperature) | IS 1448:Part:18 |
| 34 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene | Smoke Point | IS 1448:Part:31 |
| 35 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosine | Smoke Point | ISO 3014 |
| 36 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Appearance | IS 2796 |
| 37 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Colour | IS 2796 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | CHITTAURGARH TERMINAL LABORATORY, INDIAN OIL CORPORATION LTD.(MD.), INDIAN OIL TERMINAL, NH 79, NIMBAHERA ROAD, JALAMPURA, CHITTAURGARH, RAJASTHAN, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-9300 | **Page No** | 3 of 3 |
| **Validity** | 04/03/2023 to 03/03/2025 | **Last Amended on** | 05/03/2023 |

| 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 |
|---|---|---|---|---|
| 38 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Distillation (% Evaporated @ prescribed temperature) | ASTM D86 |
| 39 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Distillation (% Evaporated @ prescribed temperature) | IS 1448:Part:18 |
| 40 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Distillation (Final Boiling Point) | ASTM D 86 |
| 41 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Distillation (Final Boiling Point) | IS 1448 P18 |
| 42 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Distillation Residue | ASTM D 86 |
| 43 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Ditillation Residue | IS 1448:Part:18 |
| 44 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Gum Content (Solvent Washed) | IS 1448:Part:29 |