# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** HINDUSTAN PETROLEUM CORPORATION LIMITED, MUNDRA QUALITY CONTROL LABORATORY, MUNDRA TERMINAL, OLD PORT ROAD, MUNDRA, KACHCHH, GUJARAT, INDIA

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

**Certificate Number** TC-11456 **Page No** 1 of 5

**Validity** 18/03/2023 to 17/03/2025 **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- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Corrosiveness to Copper - Copper Strip Test | ISO 2160 |
| 2 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation, Initial / Final Boiling Point / End Point | ASTM D86 |
| 3 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Pour Point | IS 1448 (Part 10 / Section 2) |
| 4 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Appearance | WI/01 (Issue No. 01, Issue Date 01.06.2022) |
| 5 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Calculated Cetane Index | ISO 4264 |
| 6 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Colour | WI/02 (Issue No. 01, Issue Date 01.06.2022) |
| 7 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Corrosiveness to Copper - Copper Strip Test | ASTM D130 |
| 8 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Corrosiveness to Copper - Copper Strip Test | IS 1448 (Part 15) |
| 9 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Density @ 15 °C by Hydrometer | ASTM D1298 |
| 10 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Density @ 15 °C by Hydrometer | ISO 3675 |
| 11 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Density @15 °C by Hydrometer | IS 1448 (Part 16) |
| 12 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation Recovery @ 360 °C | ASTM D86 |
| 13 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation Recovery @ 360 °C | IS 1448 (Part 18) |
| 14 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation Recovery @ 360 °C | ISO 3405 |
| 15 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation, 95 % Recovery (v/v) at Temperature | ASTM D86 |
| 16 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation, 95 % Recovery (v/v) at Temperature | IS 1448 (Part 18) |
| 17 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation, 95 % Recovery (v/v) at Temperature | ISO 3405 |
| 18 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation, Initial / Final Boiling Point / End Point | IS 1448 (Part 18) |

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**Certificate Number** TC-11456 **Page No** 2 of 5

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| 19 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Flash Point, Abel | IS 1448 (Part 20) |
| 20 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Flash Point, Abel | ISO 13736 |
| 21 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Flash Point, PMCC | IS 1448 (Part 21) |
| 22 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Kinematic Viscosity @ 40 °C | ASTM D445 |
| 23 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Kinematic Viscosity @ 40 °C | IS 1448 (Part 25 / Section 1) |
| 24 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Kinematic Viscosity @ 40 °C | IS0 3104 |
| 25 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Pour Point | ASTM D97 |
| 26 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Pour Point | ISO 3016 |
| 27 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Total Sulphur | ASTM D5453 |
| 28 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Total Sulphur | ISO 20846 |
| 29 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Appearance | WI/01 (Issue No. 01, Issue Date 01.06.2022) |
| 30 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Colour | WI/02 (Issue No. 01, Issue Date 01.06.2022) |
| 31 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Corrosiveness to Copper - Copper Strip Test | ASTM D130 |
| 32 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Corrosiveness to Copper - Copper Strip Test | IS 1448 (Part 15) |
| 33 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Corrosiveness to Copper - Copper Strip Test | ISO 2160 |
| 34 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Density @ 15 °C by Hydrometer | ASTM D1298 |
| 35 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Density @ 15 °C by Hydrometer | IS 1448 (Part 16) |
| 36 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Density @ 15 °C by Hydrometer | ISO 3675 |
| 37 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation - Final Boiling Point / End Point | IS 1448 (Part 18) |

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**Certificate Number** TC-11456 **Page No** 3 of 5

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| 38 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation - Final Boiling Point / End Point | ASTM D86 |
| 39 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation - Initial Boiling Point | ASTM D86 |
| 40 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation - Initial Boiling Point | IS 1448 (Part 18) |
| 41 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation % Evaporated at 100 °C | ASTM D86 |
| 42 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation % Evaporated at 100 °C | IS 1448 (Part 18) |
| 43 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation % Evaporated at 150 °C | ASTM D86 |
| 44 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation % Evaporated at 150 °C | IS 1448 (Part 18) |
| 45 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation % Evaporated at 70 °C | IS 1448 (Part 18) |
| 46 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation % Evaporated at 70 °C | ASTM D86 |
| 47 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation Residue | ASTM D6 |
| 48 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation Residue | IS 1448 (Part 18) |
| 49 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Gum Content (SW) | ASTM D381 |
| 50 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Gum Content (SW) | IS 1448 (Part 29) |
| 51 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Gum Content (SW) | ISO 6246 |
| 52 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Total Sulphur | ASTM D5453 |
| 53 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Total Sulphur | ISO 20846 |
| 54 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Appearance | WI/01 (Issue No. 01, Issue Date 01.06.2022) |
| 55 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Colour | WI/02 (Issue No. 01, Issue Date 01.06.2022) |
| 56 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Corrosiveness to Copper - Copper Strip Test | ASTM D130 |

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| 57 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Corrosiveness to Copper - Copper Strip Test | IS 1448 (Part 15) |
| 58 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Corrosiveness to Copper - Copper Strip Test | ISO 2160 |
| 59 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Density @ 15 °C by Hydrometer | IS 1448 (Part 16) |
| 60 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Density@ 15 °C by Hydrometer | ASTM D1298 |
| 61 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Density@ 15 °C by Hydrometer | ISO 3675 |
| 62 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Distillation, Final Boiling Point / End Point | ASTM D86 |
| 63 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Distillation, Final Boiling Point / End Point | IS 1448 (Part 18) |
| 64 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Distillation, Initial Boiling Point | ASTM D86 |
| 65 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Distillation, Initial Boiling Point | IS 1448 (Part 18) |
| 66 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Distillation, Recovery at 200 °C | ASTM D86 |
| 67 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Distillation, Recovery at 200 °C | IS 1448 (Part 18) |
| 68 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Distillation, Recovery at 200 °C | ISO 3405 |
| 69 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Flash Point, Abel | IS 1448 (Part 20) |
| 70 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Flash Point, Abel | ISO 13736 |
| 71 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Saybolt Colour | ASTM D156 |
| 72 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Saybolt Colour | IS 1448 (Part 14) |
| 73 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Smoke Point | ASTM D1322 |
| 74 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Smoke Point | IS 1448 (Part 31) |
| 75 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Smoke Point | ISO 3014 |

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| 76 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Total Sulphur | ASTM D5453 |
| 77 | CHEMICAL- PETROLEUM AND PRODUCTS | Superior Kerosene Oil (SKO) | Total Sulphur | ISO 20846 |