# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** MOURIGRAM LABORATORY, INDIAN OIL CORPORATION LIMITED, VILL-PANCHPARA, P.O-RADHADASI, HOWRAH, WEST BENGAL, INDIA

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

**Certificate Number** TC-5893 **Page No** 1 of 8

**Validity** 08/12/2022 to 07/12/2024 **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 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel | 95%v/v recovery at temperature | IS 1448 (Part 18) |
| 2 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel | Cetane Index | ASTM D4737 |
| 3 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel | Flash Point, PMCC | IS 1448 [P:21] |
| 4 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Kinematic Viscosity at 40°C | IS1448 [P:25/Sec 1] |
| 5 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Appearance | ASTM D4176 |
| 6 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Appearance | Visual(SOP No.: LMM/P9/SOP/07-001) |
| 7 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Cetane Index(Calculated) | ASTM D4737 |
| 8 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Copper Strip Corrosion Test | ASTM D130 |
| 9 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Copper Strip Corrosion Test | IS 1448 [P:15] |
| 10 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Density | IS1448 P:16 |
| 11 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Density at 15°C | ASTM D1298-12b |
| 12 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Density at 15°C | ASTM D4052 |
| 13 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation -FBP | ASTM D86-20b |
| 14 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation- Temperature at % recovery | IS1448 P:18 |
| 15 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation-FBP | IS 1448 [Part 18] |
| 16 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation-IBP | ASTM D86-20b |
| 17 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation-IBP | IS 1448 [P:18] |
| 18 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Distillation-Temperature at % Recovery | ASTM D86-20b |

# SCOPE OF ACCREDITATION

**Laboratory Name :** MOURIGRAM LABORATORY, INDIAN OIL CORPORATION LIMITED, VILL-PANCHPARA, P.O-RADHADASI, HOWRAH, WEST BENGAL, INDIA

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

**Certificate Number** TC-5893 **Page No** 2 of 8

**Validity** 08/12/2022 to 07/12/2024 **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 |
|---|---|---|---|---|
| 19 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Flash Point (Abel) | IS1448 P:20 |
| 20 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Flash Point, Abel | IP 170 |
| 21 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Flash Point, Abel | ISO 13736 |
| 22 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Flash Point, PMCC | ASTM 93 |
| 23 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Kinematic Viscosity at 40°C | ASTM D445 |
| 24 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Kinematic Viscosity at 40°C by Stabinger Viscometer | ASTM D7042 |
| 25 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Pour Point | ASTM D97 |
| 26 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Pour Point | IS 1448 [P:10] |
| 27 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Pour Point | IS1448 P:10 |
| 28 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Total Acidity (Total Acid Number) | ASTM D664 |
| 29 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Total Sulphur | ASTM D4294 |
| 30 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Total Sulphur | ASTM D5453 |
| 31 | CHEMICAL- PETROLEUM AND PRODUCTS | Automotive Diesel Fuel (HSD) | Water Content | ASTM D6304 |
| 32 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel | Flash Point, Abel | IP 170 |
| 33 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel ( Loss) | Distillation-Loss | IS 1448 (Part 18) |
| 34 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Distillation -IBP | IS1448 P:18 |
| 35 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Distillation (Loss) | ASTM D86-20b |
| 36 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Distillation-FBP | ASTM D86-20b |
| 37 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Distillation-Residue | ASTM D86-20b |

# SCOPE OF ACCREDITATION

**Laboratory Name :** MOURIGRAM LABORATORY, INDIAN OIL CORPORATION LIMITED, VILL-PANCHPARA, P.O-RADHADASI, HOWRAH, WEST BENGAL, INDIA

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

**Certificate Number** TC-5893 **Page No** 3 of 8

**Validity** 08/12/2022 to 07/12/2024 **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 |
|---|---|---|---|---|
| 38 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Distillation-Residue | IS 1448 (Part 18) |
| 39 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Doctor Test | ASTM D 4952-12 |
| 40 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Electrical Conductivity | ASTM D2624 |
| 41 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Electrical conductivity | IS 1448 [P:148] |
| 42 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Existent Gum | ASTM D381 |
| 43 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Flash Point, Abel | ISO 13736 |
| 44 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Freezing Point | ASTM D2386 |
| 45 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Hydrocarbon types-Aromatics | ASTM D1319 |
| 46 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Hydrocarbon types-Olefins | ASTM D1319 |
| 47 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Kinematic Viscosity at -20°C by Stabinger Viscometer | ASTM D7042 |
| 48 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Naphthalene Content | ASTM D1840 |
| 49 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Saybolt Colour | ASTM D156 |
| 50 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Smoke Point | ASTM D1322 |
| 51 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Smoke Point | ISO 3014 |
| 52 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Specific Energy | ASTM D3338 |
| 53 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Sulphur Mercaptans | ASTM D3227 |
| 54 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Total Acidity | ASTM D3242 |
| 55 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Total Sulphur | ASTM D5453 |
| 56 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JET A-1) | Water reaction | ASTM D1094-07 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** MOURIGRAM LABORATORY, INDIAN OIL CORPORATION LIMITED, VILL-PANCHPARA, P.O-RADHADASI, HOWRAH, WEST BENGAL, INDIA

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

**Certificate Number** TC-5893 **Page No** 4 of 8

**Validity** 08/12/2022 to 07/12/2024 **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 |
|---|---|---|---|---|
| 57 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JETA1) | Appearance | Visual(SOP No.: LMM/P9/SOP/07-001) |
| 58 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JETA1) | Copper Strip Corrosion Test | ASTM D130 |
| 59 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JETA1) | Copper Strip Corrosion test | IS1448 P:15 |
| 60 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JETA1) | Density at 15°C | ASTMD4052 |
| 61 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JETA1) | Density at 15°C | IS 1448 P:16 |
| 62 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JETA1) | Distillation- Temp at % recovery | ASTMD86-20b |
| 63 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JETA1) | Distillation-FBP | IS 1448(Part 18) |
| 64 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel (JETA1) | Distillation-IBP | ASTM D86-20b |
| 65 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Density at 15°C | ASTMD1298-12b |
| 66 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Distillation- Temp at % recovery | IS1448 P:18 |
| 67 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Doctor Test | IS1448 P:19 |
| 68 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Electrical Conductivity | IP274 |
| 69 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Existent Gum | IS1448 P:29 |
| 70 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Flash Point(Abel) | IS1448 P:20 |
| 71 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Freezing Point | IS1448 P:11 |
| 72 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Hydrocarbon types-Aromatics | IS 1448 P:23 |
| 73 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Hydrocarbon types-Olefins | IS 1448 P:23 |
| 74 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Kinematic viscosity at -20°C | IS 1448 [P:25/Sec1] |
| 75 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Naphtahalene Content | IS1448 P:118 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** MOURIGRAM LABORATORY, INDIAN OIL CORPORATION LIMITED, VILL-PANCHPARA, P.O-RADHADASI, HOWRAH, WEST BENGAL, INDIA

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

**Certificate Number** TC-5893 **Page No** 5 of 8

**Validity** 08/12/2022 to 07/12/2024 **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 |
|---|---|---|---|---|
| 76 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation turbine Fuel(JETA1) | Saybolt Colour | IS1448 P:14 |
| 77 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Silver Strip Corrosion 4hrs at 50°C | IS 1571 Annex B |
| 78 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Smoke Point | IS 1448 P:31 |
| 79 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Sulphur Mercaptans | IS1448 P:109 |
| 80 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Total acidity | IS 1448 P:113 |
| 81 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Total Sulfur | ASTM D4294 |
| 82 | CHEMICAL- PETROLEUM AND PRODUCTS | Aviation Turbine Fuel(JETA1) | Water Reaction | IS1448 P:42 |
| 83 | CHEMICAL- PETROLEUM AND PRODUCTS | High Speed Diesel (HSD) | Moisture Content | ISO 12937 |
| 84 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Copper Strip Corrosion test | ASTM D130 |
| 85 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Copper Strip Corrosion Test | IS1448 P:15 |
| 86 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Density at 15°C | ASTM D1298-12b |
| 87 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Density at 15°C | ASTM D4052 |
| 88 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Distillation - % recovery below 200°C | ASTM D86-20b |
| 89 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Distillation- Temperature at % recovery | ASTM D86-20b |
| 90 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Distillation: FBP | IS1448 [Part 18] |
| 91 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Distillation-Percent recovered below 200°C | ASTM D86-20b |
| 92 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Flash Point, Abel | IP170 |
| 93 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Flash Point, Abel | ISO 13736 |
| 94 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene (SKO) | Smoke Point | ASTM D1322 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** MOURIGRAM LABORATORY, INDIAN OIL CORPORATION LIMITED, VILL-PANCHPARA, P.O-RADHADASI, HOWRAH, WEST BENGAL, INDIA

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

**Certificate Number** TC-5893 **Page No** 6 of 8

**Validity** 08/12/2022 to 07/12/2024 **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 |
|---|---|---|---|---|
| 95 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Appearance (Visual) | Visual(SOP No.: LMM/P9/SOP/07-001): |
| 96 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Colour | Visual (SOP No. LMM/P9/SOP/07-003) |
| 97 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Density at 15°C | IS 1448 [P:16] |
| 98 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Distillation: FBP | ASTM D86-20b |
| 99 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Distillation-Temperature at % recovery | IS 1448 P:18 |
| 100 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Distillation-Volume recovery at 200°C | IS1448 P:18 |
| 101 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Flash point (Abel) | IS 1448 P:20 |
| 102 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Saybolt Colour | ASTM D156 |
| 103 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Saybolt colour | IS1448 P:14 |
| 104 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Smoke Point | ASTM D1322 |
| 105 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Smoke point | IS1448 P:31 |
| 106 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Smoke Point | ISO 3014 |
| 107 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Total sulfur | ASTM D4294 |
| 108 | CHEMICAL- PETROLEUM AND PRODUCTS | Kerosene(SKO) | Total Sulphur | ASTM D5453 |
| 109 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Distillation-Residue | ASTM D86-20b |
| 110 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Distillation-Residue | IS 1448 [P:18] |
| 111 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline | Distillation-Volume recovery at 100°C | ASTM D86-20b |
| 112 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Appearance (Visual) | Visual (SOP No.: LMM/P9/SOP/07-001): |
| 113 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Copper Strip Corrosion Test | ASTM D130 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** MOURIGRAM LABORATORY, INDIAN OIL CORPORATION LIMITED, VILL-PANCHPARA, P.O-RADHADASI, HOWRAH, WEST BENGAL, INDIA

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

**Certificate Number** TC-5893 **Page No** 7 of 8

**Validity** 08/12/2022 to 07/12/2024 **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 |
|---|---|---|---|---|
| 114 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Density at 15°C | ASTM D1298-12b |
| 115 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Density at 15°C | ASTM D4052 |
| 116 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Density at 15°C | IS1448 P:16 |
| 117 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation - Recovery at temperature | IS 1448 [P:18] |
| 118 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation - Volume recovery at 150°C | ASTM D86-20b |
| 119 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation - Volume recovery at 150°C | IS 1448 [P:18] |
| 120 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation -FBP | IS 1448 [P:18] |
| 121 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation- Volume recovery at 70°C | ASTM D86-20b |
| 122 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation-% recovery at temperature | ASTM D86-20b |
| 123 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation-FBP | ASTM D86-20b |
| 124 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation-IBP | IS 1448 [P:18] |
| 125 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation-IBP | IS 1448 [P-18] |
| 126 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation-Loss | ASTM D86-20b |
| 127 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation-Loss | Is 1448 [P:18] |
| 128 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Distillation-Volume recovery at 70°C | IS 1448 P:18 |
| 129 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Gum content | ASTM D381 |
| 130 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline (MS) | Gum content (washed) | IS1448 P:29 |
| 131 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Colour | Visual (SOP No.. LMM/P9/SOP/07-003): |
| 132 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Copper Strip Corrosion Test | IS1448 P:15 |

# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** MOURIGRAM LABORATORY, INDIAN OIL CORPORATION LIMITED, VILL-PANCHPARA, P.O-RADHADASI, HOWRAH, WEST BENGAL, INDIA

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

**Certificate Number** TC-5893 **Page No** 8 of 8

**Validity** 08/12/2022 to 07/12/2024 **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 |
|---|---|---|---|---|
| 133 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Distillation-% recovery at temperature | IS1448 P:18 |
| 134 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Distillation-Temperature at % recovery | IS 1448 [P:18] |
| 135 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Distillation-Volume recovery at 100°C | IS1448 P:18 |
| 136 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Distillation-Volume recovery at 150°C | IS1448 P:18 |
| 137 | CHEMICAL- PETROLEUM AND PRODUCTS | Motor Gasoline(MS) | Total Sulfur | ISO20847 |