


Schedule

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Valid Until: -



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|---|---|
| LABORATORY LOCATION/ CENTRAL OFFICE: | Inspectorate Malaysia Sdn Bhd, Johor Pengerang Terminal Sdn. Bhd. Lot PTD 4837, Laboratory Building, Mukim Pengerang 81600 Kota Tinggi, Johor , 81600, JOHOR MALAYSIA |
|  | |
| ACCREDITED SINCE : | 26 MARCH 2025 |
| FIELD(S) OF TESTING: | CHEMICAL |

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

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|------------------------------|---|
| CENTRAL LOCATION: | Inspectorate Malaysia Sdn Bhd, Johor Pengerang Terminal Sdn. Bhd. Lot PTD 4837, Laboratory Building, Mukim Pengerang 81600 Kota Tinggi, Johor , 81600, Johor |
| FIELD(S) OF TESTING : | CHEMICAL, |

SCOPE OF TESTING : CHEMICAL

| Material / Product Tested | Type Of Test / Properties Measured / Range Of Measurement | Standard Test Methods / Equipment / Techniques |
|---------------------------|--|--|
| Aviation Fuel | Determination of Total Sulfur in | ASTM D 5453 |
| | Light Hydrocarbon, Spark Ignition Engine Fuel, Diesel Engine Fuel and Engine oil by Ultraviolet Fluorescence | None |
| | Sulfur in Petroleum and | ASTM D4294 |
| | Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry | None |
| | Freezing point of Aviation Fuels | ASTM D2386 |
| | Density, Relative Density and API Gravity of Liquids by Digital Density Meter | ASTM D4052 |
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| Material / Product Tested | Type Of Test / Properties Measured / Range Of Measurement | Standard Test Methods / Equipment / Techniques |
|---------------------------|---|--|
| | Distillation of Petroleum Product and Liquid Fuels at Atmospheric Pressure | ASTM D86 |
| | (Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine and Distillate Fuels | ASTM D3227 |
| | (Potentiometric Method) | None |
| | Gum Content in Fuels by Jet Evaporation | ASTM D381 |
| | Aviation Fuel Flash Point Abel | IP 170/ EN ISO 13736 |
| | Closed Cup Method | None |
| | Corrosiveness to Copper from Petroleum Products by Copper Strip Test | ASTM D130 |
| Biodiesel | Filter Blocking Tendency | ASTM D2068 |
| Crude Oil | Salts in Crude Oil (Electrometric Method) | ASTM D3230 |
| | Pour Point of Petroleum Products | ASTM D97 |
| | Acid Number of Petroleum Products by Potentiometric Titration | ASTM D664 |
| | Density, Relative Density or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method | ASTM D1298 |
| Fuel Oil | Kinematic Viscosity of Transparent and Opaque Liquids | ASTM D445 |
| | Water in Petroleum Products and Bituminous Materials by Distillation | ASTM D95 |
| | Density, Relative Density or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method | ASTM D1298 |
| Gasoil/diesel Fuel | Determination of Total Sulfur in Light Hydrocarbon, Spark Ignition Engine Fuel, Diesel Engine Fuel and Engine oil by Ultraviolet Fluorescence | ASTM D5453 |
| | Determination of Aromatics | IP391 |
| | Hydrocarbon Types in Middle Distillate-HPLC Method with | None |
| | Refractive Index Detection | None |
| | Density, Relative Density and API Gravity of Liquids by Digital Density Meter | ASTM D4052 |
| | Distillation of Petroleum Product and Liquid Fuels at Atmospheric Pressure | ASTM D86 |
| | | None |
| | | |

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| Material / Product Tested | Type Of Test / Properties Measured / Range Of Measurement | Standard Test Methods / Equipment / Techniques |
|---------------------------|--|--|
| | Cold Filter Plugging Point of Diesel and Heating Fuels | ASTM D6371 |
| | Cloud Point of Petroleum | ASTM D2500 |
| | Products and Liquids Fuels | None |
| | Pour Point of Petroleum | ASTM D97 |
| | Products | None |
| | Corrosiveness to Copper from Petroleum Products by Copper Strip Test | ASTM D130 |
| | ASTM Color of Petroleum | ASTM D1500 |
| | Products (ASTM color scale) | None |
| | Filter Blocking Tendency | ASTM D2068 |
| | Free water and Particulate | ASTM D4176 |
| | Contamination in Distillate Fuels (Visual Inspection Procedures) | None |
| | Sulfur in Petroleum and | ASTM D4294 |
| | Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry | None |
| | Calculated Cetane Index by Four Variable Equation | ASTM D4737 Procedure A |
| | Flash Point by Pensky- Martens Closed Cup Tester | ASTM D93 Procedure A |
| | Water in Petroleum Products | ASTM D95 |
| | and Bituminous Materials by Distillation | None |
| | Density, Relative Density or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method | ASTM D1298 |
| | Kinematic Viscosity of Transparent and Opaque Liquids | ASTM D445 |
| | Acid Number of Petroleum | ASTM D664 |
| | Products by Potentiometric Titration | None |
| | Determination of Water in | ASTM D6304 |
| | Petroleum Products Lubricating Oils and Additives by Coulometric Karl Fisher Titration | None |
| Gasoline | Determination of Total Sulfur in | ASTM D5453 |
| | Light Hydrocarbon, Spark Ignition Engine Fuel, Diesel Engine Fuel and Engine oil by Ultraviolet Fluorescence | None |
| | Determination of MTBE, ETBE, TAME, DIPE, Tertiary-Amyl Alcohol and C1 to C4 Alcohols in | ASTM D48 15 |
| | Gasoline by Gas Chromatography | None |

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| Material / Product Tested | Type Of Test / Properties Measured / Range Of Measurement | Standard Test Methods / Equipment / Techniques |
|--|--|--|
| | Determination of Benzene, Toluene, Ethylbenzene, p,m-Xylene, o-Xylene, Co- and Heavier Aromatics and Total | ASTM D5580 |
| | Aromatics in Finished Gasoline | None |
| | by Gas Chromatography | None |
| | Research Octane Number f | ASTM D2699 |
| | Spark Ignition Engine Fuel | None |
| | Density, Relative Density and API Gravity of Liquids by Digital Density Meter | ASTM D4052 |
| | Distillation of Petroleum Product and Liquid Fuels at Atmospheric | ASTM D86 |
| | Density, Relative Density or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method | None |
| | Vapor Pressure of Petroleum Products and Liquid Fuels (Mini Method) | ASTM D1298 |
| | Vapor Pressure of Petroleum Products (Reid Method) | ASTM D5191 |
| | Corrosiveness to Copper from Petroleum Products by Copper Strip Test | ASTM D323 Procedure A |
| | (Thiol Mercaptan) Sulphur in Gasoline, Kerosine, Aviation Turbine and Distillate Fuels | ASTM D130 |
| | (Potentiometric Method) | ASTM D3227 |
| | Gum Content in Fuels by Jet Evaporation | None |
| | Oxidation Stability of Gasoline (Induction Period Method) | ASTM D381 |
| Methyl Tert-butyl Ether (mtbe) | Research Octane Number of Spark Ignition Engine Fuel | ASTM D525 |
| Palm Oil And Palm Oil Products | Free Fatty Acids Moisture and Volatile Matter Hot Plate Method | ASTM D2699 |
| | Insoluble Impurities | AOCS Ca 5a-40 (1997) AOCS Ca 2b-38 (1997) |
| | Iodine Value of Fats and Oils Cyclohexane-Acetic Acid Method | AOCS Ca 3a-46 (1997) |
| | Slip Melting Point AOCS Standard Open Tube Melting Point | AOCS Cd 1d-92 (1997) |
| | Color | AOCS Cc 3-25 (1997) |
| Petroleum And Petroleum Products Biodiesel | None | AOCS Cc (1997) |
| Petroleum And Petroleum Products Biodiesel | None | None |

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