

ASTM METHOD	Method Title	SAMPLE SIZE
ASTM D974	Acid or Base Number by Color-Indicator Titration	150g
ASTM D664	Total Acid Number, Potentiometric Titration	150g
ASTM D3242	Acidity in Aviation Turbine Fuel	200g
ASTM D848	Acid Wash Color of Industrial Aromatic Hydrocarbons	150g
ASTM D2989	Acidity-Alkalinity of Halogenated Organic Solvents and Their Admixtures	200ml
ASTM 847	Acidity of Benzene, Toluene, Xylenes, Solvent Naphthas, and Similar Industrial Aromatic Hydrocarbons	100ml
ASTM D1093	Acidity of Hydrocarbon liquids and distillation residues	100ml
ASTM D1613	Acidity in Volatile Solvents & Chemical Intermediates	100ml
BS 507	Acidity in Ethanol	100ml
BS 506-2	Acidity in Methanol	100ml
ASTM D1067	Acidity or Alkalinity of Water	100ml
ASTM D2191	Acetaldehyde Content of Vinyl Acetate	100ml
ASTM D2119	Aldehydes in Styrene Monomer	100ml
NRB 9866	Alkalinity and Total Acidity	100ml
ASTM D1614	Alkalinity in Acetone	100ml
ASTM 1945	Analysis of Natural Gas by Gas Chromatography	50ml
ASTM 1946	Analysis of Reformed Gas by Gas Chromatography	50ml
ASTM D287	API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)	500ml
ASTM D5002	Density, Relative Density, and API Gravity of Crude Oils by Digital Density Analyzer	50ml
ASTM D3741	Appearance of Admixtures Containing Halogenated Organic Solvents	100ml
Visual	Appearance	100ml
ASTM D4176	Free Water and Particulate Contamination in Distillate Fuels	50ml
ASTM D5769	Determination of Benzene, Toluene, and Total Aromatics in Finished Gasolines by Gas Chromatography/Mass Spectrometry	50ml
ASTM D482	Ash from Petroleum Products	200g
ASTM D2974D	Determining the Moisture, Ash, and Organic Matter of Peat and Other Organic Soils	200g
ASTM D6560	Determination of Asphaltenes (Heptane Insolubles) in Crude Petroleum and Petroleum Products	50g
ASTM D4420	Determination of Aromatics in Finished Gasoline by Gas Chromatography	50ml
ASTM D5580	Determination of Benzene, Toluene, Ethylbenzene, m&p-Xylene, o-Xylene, C9 and Heavier Aromatics, and Total Aromatics in Finished Gasoline by Gas Chromatography	50ml
ASTM D3606	Determination of Benzene and Toluene in Spark Ignition Fuels by Gas Chromatography	50ml
ASTM D2887	Boiling Range Distribution of Petroleum Fractions by Gas Chromatography	50ml
ASTM D2306	C8 Aromatic Hydrocarbon Analysis by Gas Chromatography	50ml
ASTM D524	Ramsbottom Carbon Residue of Petroleum Products	
IP 14	Ramsbottom Carbon Residue of Petroleum Products	
ISO 4262	Ramsbottom Carbon Residue of Petroleum Products	50ml
ASTM E346	Carbonizables	50ml

ASTM E291	Chemical Analysis of Caustic Soda and Caustic Potash (Sodium Hydroxide and Potassium Hydroxide)	100ml
ASTM D5771	Cloud Point of Petroleum Products and Liquid Fuels (Optical Detection Stepped Cooling Method)	50ml
ASTM D2500	Cloud Point of Petroleum Products and Liquid Fuels	50ml
Visual	Color/Visual	100ml
ASTM D1500	ASTM Color of Petroleum Products (ASTM Color Scale)	100ml
ASTM D1209	Color of Clear Liquids (Platinum-Cobalt Scale)	100ml
DIN EN ISO 6271	Color Hazen	100ml
ASTM E313	Color Whiteness/Yellowness	100ml
ASTM D156	Saybolt Color of Petroleum Products (Saybolt Chromometer Method)	50ml
ASTM D6045	Color of Petroleum Products by the Automatic Tristimulus Method	50ml
BS 506-2	Color in Methanol	50ml
IP 196	Color of Petroleum Products (ASTM Scale)	50ml
ASTM D6730	Determination of Individual Components in Spark Ignition Engine Fuels/ DHA/ Detailed Hydrocarbon Analysis	50ml
ASTM D6729	Determination of Individual Components in Spark Ignition Engine Fuels/ DHA/ Detailed Hydrocarbon Analysis	50ml
ASTM D2624	Electrical Conductivity of Aviation and Distillate Fuels	100ml
ASTM D849	Copper Strip Corrosion by Industrial Aromatic Hydrocarbons	100ml
IP 112	Copper Corrosion of Lubricating Grease	100ml
ASTM D130	Corrosiveness to Copper from Petroleum Products by Copper Strip Test	100ml
ASTM D1298	Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method	100ml
EN-ISO 12185	Density @15C	100ml
ASTM D4052	Density, Relative Density, and API Gravity of Liquids by Digital Density Meter	50ml
ASTM D5134	Detailed Analysis of Petroleum Naphthas through n-Nonane by Capillary Gas Chromatography	50ml
ASTM D8150	Determination of Organic Chloride Content in Crude Oil by Distillation Followed by Detection Using Combustion Ion Chromatography	100ml
ASTM D86	Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure	200ml
ASTM D 850	Distillation of Industrial Aromatic Hydrocarbons and Related Materials	200ml
ASTM D1078	Distillation Range of Volatile Organic Liquids	100ml
ASTM D 1125	Electrical Conductivity and Resistivity of Water	100ml
ASTM D5501	Determination of Ethanol and Methanol Content in Fuels Containing Greater than 20 % Ethanol by Gas Chromatography	50ml
ASTM D93	Flash Point by Pensky-Martens Closed Cup Tester	100ml
ASTM D4176	Free Water and Particulate Contamination in Distillate Fuels (Visual Inspection Procedures)	100ml
ASTM D4860	Free Water and Particulate Contamination in Middle Distillate Fuels (Clear and Bright Numerical Rating)	100ml
Visual	Free Water Content	100ml
ASTM D5972	Freezing Point of Aviation Fuels (Automatic Phase Transition Method)	100ml
ASTM D2386	Freezing Point of Aviation Fuels	100ml
ASTM D381	Gum content in Fuels by Jet Evaporation	200ml
ASTM D4176	Free Water and Particulate Contamination in Distillate Fuels (Visual Inspection Procedures)	100ml
ASTM D240	Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter	50ml
ASTM D2163	Determination of Hydrocarbons in Liquefied Petroleum (LP) Gases and Propane/Propene Mixtures by Gas Chromatography	100ml
ASTM D5705	Measurement of Hydrogen Sulfide in the Vapor Phase Above Residual Fuel Oils	100ml

EN15721	Ethanol as a blending component for petrol - Determination of higher alcohols, methanol and other impurities - Gas chromatographic method	50ml
E203	Water Using Volumetric Karl Fischer Titration	50ml
GC	Methanol content	50ml
E-14110	Determination of Methanol Content in Biodiesel	50ml
ASTM 7845	Determination of Chemical Species in Marine Fuel Oil by Multidimensional Gas Chromatography/Mass Spectrometry	50ml
ASTM D5623	Sulfur Compounds in Light Petroleum Liquids by Gas Chromatography and Sulfur Selective Detection	50ml
ASTM D2804	Purity of Methyl Ethyl Ketone By Gas Chromatography	50ml
ASTM D5441	Methyl Tert-Butyl Ether (MTBE) by Gas Chromatography	50ml
ASTM D3279	n-Heptane Insolubles	100ml
ASTM D2109	Nonvolatile Matter in Halogenated Organic Solvents and Their Admixtures	200ml
ASTM D1353	Nonvolatile Matter in Volatile Solvents	200ml
ASTM D1296	Odor of Volatile Solvents and Diluents	50ml
ASTMD 1833	Odor of Petroleum Wax	50ml
ASTM D7423	Determination of Oxygenates in C2, C3, C4, and C5 Hydrocarbon Matrices by Gas Chromatography and Flame Ionization Detection	50ml
ASTM D4815	Determination of MTBE, ETBE, TAME, DIPE, tertiary-Amyl Alcohol and C1 to C4 Alcohols in Gasoline by Gas Chromatography	50ml
ASTM D-1363	Permanganate Time of Acetone and Methanol	100ml
BS 509-2	Permanganate Time of Acetone	100ml
BS 6392-9	Permanganate Time of Ethanol	100ml
BS 506-2	Permanganate Time of Methanol	100ml
ASTM D2340	Peroxides in Styrene Monomer	100ml
ASTM E299	Trace Amounts of Peroxides In Organic Solvents	100ml
ASTM D1287	pH of Engine Coolants and Antirusts	100ml
D6423	Determination of pH <sub>e</sub> of Denatured Fuel Ethanol and Ethanol Fuel Blends	100ml
D2110	pH of Water Extractions of Halogenated Organic Solvents and Their Admixtures	100ml
ASTM D5950	Pour Point of Petroleum Products (Automatic Tilt Method)	100ml
ASTM D97	Pour Point of Petroleum Products	100ml
Alcohol Hydrometer	Proof - Alcohol Hydrometer	500ml
ASTM D4492	Analysis of Benzene by Gas Chromatography	100ml
ASTM D3798	Analysis of p-Xylene by Gas Chromatography	100ml
ASTM D1218	Refractive Index and Refractive Dispersion of Hydrocarbon Liquids	100ml
ASTM D323	Vapor Pressure of Petroleum Products (Reid Method)	100ml
ASTM 6045	Color of Petroleum Products by the Automatic Tristimulus Method	100ml
ASTM 473	Sediment in Crude Oils and Fuel Oils by the Extraction Method	100g
ASTM D852	Solidification Point of Benzene	50ml
ASTM D891	Specific Gravity, Apparent, of Liquid Industrial Chemicals	100ml
ASTM D4740	Cleanliness and Compatibility of Residual Fuels by Spot Test	100ml
ASTM D1612	Acetone in Methanol	50ml
ASTM D7328	Determination of Existent and Potential Inorganic Sulfate and Total Inorganic Chloride in Fuel Ethanol by Ion Chromatography Using Aqueous Sample Injection	50ml

ASTM D7319	Determination of Existent and Potential Sulfate and Inorganic Chloride in Fuel Ethanol and Butanol by Direct Injection Suppressed Ion Chromatography	50ml
ASTM D874	Sulfated Ash from Lubricating Oils and Additives	100g
ASTM D5453	Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence	50ml
ASTM D6228	Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection	50ml
ASTM D5504	Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Chemiluminescence	50ml
EPA 1040	TEST METHOD FOR OXIDIZING SOLIDS	100g
ASTM D2360	Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography	50ml
ASTM D4629	Trace Nitrogen in Liquid Hydrocarbons by Syringe/Inlet Oxidative Combustion and Chemiluminescence Detection	50ml
ASTM 5188	Vapor-Liquid Ratio Temperature Determination of Fuels (Evacuated Chamber and Piston Based Method)	100ml
ASTM D5191	Vapor Pressure of Petroleum Products and Liquid Fuels (Mini Method)	100ml
ASTM D6378	Determination of Vapor Pressure (VPX) of Petroleum Products, Hydrocarbons, and Hydrocarbon-Oxygenate Mixtures (Triple Expansion Method)	100ml
ASTM D6377	Determination of Vapor Pressure of Crude Oil: VPCRx (Expansion Method)	100ml
ASTM D445	Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)	50ml
ASTM D7042	Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic Viscosity)	50ml
ASTM 4212	Viscosity by Dip-Type Viscosity Cups	100ml
ASTM D4402	Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer	200ml
ASTM D4007	Water and Sediment in Crude Oil by the Centrifuge Method	200ml
ASTM D1796	Water and Sediment in Fuel Oils by the Centrifuge Method	200ml
ASTM D2709	Water and Sediment in Middle Distillate Fuels by Centrifuge	200ml
ASTM E1064	Water in Organic Liquids by Coulometric Karl Fischer Titration	25ml
ASTM D6304	Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration	25ml
ASTM D95	Water in Petroleum Products and Bituminous Materials by Distillation	100ml
ISO 3733	Water by Distillation	100ml
ASTM D4006	Water in Crude Oil by Distillation	200ml
ASTM D3401	Water in Halogenated Organic Solvents and Their Admixtures	25g
ASTM D4928	Water in Crude Oils by Coulometric Karl Fischer Titration	25g
ASTM D1364	Water in Volatile Solvents (Karl Fischer Reagent Titration Method)	25ml
ASTM D1722	Water Miscibility of Water-Soluble Solvents	100ml
ASTM D1401	Water Separability of Petroleum Oils and Synthetic Fluids	100ml
ASTM D4377	Method for Water in Crude Oils by Potentiometric Karl Fischer Titration	25ml