

Test/Procedure	Description
ASTM D1159	Bromine Numbers of Petroleum Distillates and Commercial Aliphatic Olefins by Electrometric Titration
ASTM D1160	Petroleum Distillation at Reduced Pressure
ASTM D1218	Refractive Index and Refractive Dispersion of Hydrocarbon Liquids
ASTM D1319	Aromatics, Olefins, Saturates (vol %) by Fluorescent Indicator Adsorption (FIA)
ASTM D1552	Sulfur in Petroleum Products (High-Temp method)
ASTM E1721	Acid-Insoluble Residue in Biomass
ASTM D1747	Refractive Index of Viscous Materials
ASTM D1755	Ash Content in Biomass
ASTM D1832	Peroxide Number in Petroleum Waxes
ASTM D2425	Standard Test Method for Hydrocarbon Types in Middle Distillates by Mass Spectrometry
ASTM D2887	TPH (Total Petroleum Hydrocarbons) Boiling Range Distribution of Petroleum Fractions by Gas Chromatography
ASTM D2892	Distillation of Crude Petroleum (15 Theoretical Plate Column)
ASTM D3227	(Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine, and Distillate Fuels (Potentiometric Method)
ASTM D323	Vapor Pressure of Petroleum Products (Reid Method)
ASTM D4052	Density and Relative Density of Liquids by Digital Density Meter
ASTM D445	Kinematic Viscosity at 40, 100, and 150°C (Kinematic Viscosity of Transparent and Opaque Liquids)
ASTM D4629	Trace Nitrogen in Hydrocarbons
ASTM D5236	Distillation of Heavy Hydrocarbon Mixtures (Vacuum Potstill Method).
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ASTM D5291	CHN (Carbon,Hydrogen, Sulfur, Nitrogen) in liquid/solid
ASTM D5442	Analysis of Waxes by GC
ASTM D5453	Total Sulfur in Light Hydrocarbons
ASTM D5762	Nitrogen in Petroleum Products-Boat Inlet
ASTM D5768	Standard Test Method for Determination of Iodine Value of Tall Oil Fatty Acids
ASTM D5864	Aerobic Aquatic Biodegradation
ASTM D6352	(Extended Simulated Distillation) Boiling Range Distribution of Petroleum Distillates in Boiling Range from 174 to 700°C by Gas Chromatography
ASTM D664	Acid Number of Petroleum Products by Potentiometric Titration
ASTM D6794	Enumeration of Bacteria and Fungi in Liquid Fuels
ASTM D70	Density of Semi-Solid Bituminous Materials (Pycnometer Method)
ASTM D7169	HTSD (High Temperature Simulated Distillation) Boiling Range Distribution of Petroleum Distillates in Boiling Range from 174 to 700°C by Gas Chromatography
ASTM D7687	Cellular ATP in Fuel-Water Mixtures and Fuel Associated Water
ASTM D86	Distillation of Petroleum Products at Atmospheric Pressure
ASTM D93	Flash Point by Pensky-Martens Closed Cup Tester
ASTM D976	Calculated Cetane Index of Distillate Fuels
ASTM E 1690	Ethanol Extractives
ASTM E1756	Total Solids in Biomass
ASTM E1821	Carbohydrate in Biomass by GC
Internal GC Method	Sulfur in Gases, High Conc (H ₂ S,SO ₂) by GC-TCD
Internal Method	Ammonia in gases by Suppressed Ion Chromatography
Internal Method	Biofuel mono, di and triglycerides, FAMES by HPLC-CAD
Internal Method	Glycerides and FFA in oil by HPLC-CAD
Internal Method	Sugars by HPLC-UV
Internal Method	Lignin Breakdown Products by HPLC-UV
Internal Method	FAMES by GCMS
Internal Method	Organic acids by HPLC-UV (acetic, lactic, ascorbic acids)
Internal Method	Refinery Gases by GC-FID
Internal Method	Permanent Gases by GC-TCD
Internal Method	Off Gases by GC-TCD/CLD
Internal Method	Internal Light Gas Analysis C1-C6 method by GC-FID