

METTLER TOLEDO Solutions for Standard Test Methods

ASTM Standards are used to improve quality and safety, and METTLER TOLEDO analytical instruments provide solutions to accurately run many Standard Test Methods. Focused on ease of use, flexibility, and productivity, METTLER TOLEDO Titrators, pH Meters, Density Meters, and Accessories ensure premium quality, optimal workflows, and accurate results.

ASTM Standards

Standard Test Method	Description	MT Instruments
C1267	Uranium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration in the Presence of Vanadium	G20S , G20S Rondolino
D1067	Acidity or Alkalinity of Water	G20S , G20S Rondolino
D1093	Acidity of Hydrocarbon Liquids and Their Distillation Residues	G20S , G20S Rondolino
D1125	Electrical Conductivity and Resistivity of Water	SevenCompact S230 , Seven2Go S3 , S7
D1126	Hardness in Water	G20S , G20S Rondolino
D1159	Bromine Numbers of Petroleum Distillates and Commercial Aliphatic Olefins by Electrometric Titration	G20S , G20S Rondolino
D1179	Fluoride Ion in Water	SevenExcellence S500 , Seven2Go S8
D1218	Refractive Index and Refractive Dispersion of Hydrocarbon Liquids	RM Series
D1246	Bromide Ion in Water	SevenExcellence S500 , Seven2Go S8
D1252	Chemical Oxygen Demand (Dichromate Oxygen Demand) of Water	G20S , G20S Rondolino
D1253	Residual Chlorine in Water	G20S , G20S Rondolino
D1426	Ammonia Nitrogen In Water	SevenExcellence S500 , Seven2Go S8
D1533	Water in Insulating Liquids by Coulometric Karl Fischer Titration	C20S
D1744	Determination of Water in Liquid Petroleum Products by Karl Fischer Reagent	V20S
D1747	Refractive Index of Viscous Materials	RM Series
D2036	Cyanides in Water	G20S , G20S Rondolino
D2572	Isocyanate Groups in Urethane Materials or Prepolymers	G20S , G20S Rondolino
D2595	Evaporation Loss of Lubricating Greases Over Wide-Temperature Range	XPE Analyticals
D2710	Bromine Index of Petroleum Hydrocarbons by Electrometric Titration	G20S , G20S Rondolino
D2896	Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	G20S , G20S Rondolino
D3227	(Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine, and Distillate Fuels (Potentiometric Method)	G20S , G20S Rondolino
D3242	Acidity in Aviation Turbine Fuel	G20S , G20S Rondolino
D3401	Water in Halogenated Organic Solvents and Their Admixtures	C20S , V20S
D3590	Total Kjeldahl Nitrogen in Water	G20S , G20S Rondolino
D3703	Hydroperoxide Number of Aviation Turbine Fuels, Gasoline and Diesel Fuels	G20S , G20S Rondolino
D4017	Water in Paints and Paint Materials by Karl Fischer Method	V20S
D4052	Density and Relative Density of Liquids by Digital Density Meter	DM Series
D4251	Active Matter in Anionic Surfactants by Potentiometric Titration	G20S , G20S Rondolino
D4377	Water in Crude Oils by Potentiometric Karl Fischer Titration	V20S
D4658	Sulfide Ion in Water	G20S , G20S Rondolino

Standard Test Method	Description	MT Instruments
D4739-11	Base Number Determination by Potentiometric Titration	G20S, G20S Rondolino
D4928	Water in Crude Oils by Coulometric Karl Fischer Titration	C20S
D4929	Determination of Organic Chloride Content in Crude Oil	G20S, G20S Rondolino
D5002	Density and Relative Density of Crude Oils by Digital Density Analyzer	DM Series
D511	Calcium and Magnesium In Water	G20S, G20S Rondolino
D512	Chloride Ion In Water	G20S, G20S Rondolino
D513	Total and Dissolved Carbon Dioxide in Water	G20S, G20S Rondolino
D5806	Disinfectant Quaternary Ammonium Salts by Potentiometric Titration	G20S, G20S Rondolino
D5931	Density and Relative Density of Engine Coolant Concentrates and Aqueous Engine Coolants by Digital Density Meter	DM Series
D6173	Determination of Various Anionic Surfactant Actives by Potentiometric Titration	G20S, G20S Rondolino
D6174	Inorganic Sulfate in Surfactants by Potentiometric Lead Titration	G20S, G20S Rondolino
D6304	Inorganic Sulfate in Surfactants by Potentiometric Lead Titration	G20S, G20S Rondolino
D6423	Determination of pHe of Ethanol, Denatured Fuel Ethanol, and Fuel Ethanol (Ed75-Ed85)	SevenCompact S220, Seven2Go S2, S8
D6470	Salt in Crude Oils (Potentiometric Method)	G20S, G20S Rondolino
D664	Acid Number of Petroleum Products by Potentiometric Titration	G20S, G20S Rondolino
D7253	Polyurethane Raw Materials: Determination of Acidity as Acid Number for Polyether Polyols	G20S, G20S Rondolino
D7318	Total Inorganic Sulfate in Ethanol by Potentiometric Titration	G20S, G20S Rondolino
D7777	Density, Relative Density, or API Gravity of Liquid Petroleum by Portable Digital Density Meter	Densito30PX
D7795	Acidity in Ethanol and Ethanol Blends by Titration	G20S, G20S Rondolino
D888	Dissolved Oxygen in Water	SevenExcellence S600, S900, Seven2Go S4, S9, G20S, G20S Rondolino
D94	Saponification Number of Petroleum Products	G20S, G20S Rondolino
D972	Evaporation Loss of Lubricating Greases and Oils	XPE Analyticals
D974	Acid and Base Number by Color-Indicator Titration	G20S, G20S Rondolino
E1064	Water in Organic Liquids by Coulometric Karl Fischer Titration	C20S
E1899	Hydroxyl Groups Using Reaction with p-Toluenesulfonyl Isocyanate (TSI) and Potentiometric Titration with Tetrabutylammonium Hydroxide	G20S, G20S Rondolino
E203	Water Using Volumetric Karl Fischer Titration	V20S

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For more information



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