

ASTM Standards for Denatured Fuel Ethanol and Ethanol Flex Fuels

Standard	Current Desig/year	BOS Vol	Committee	Subcommittee	Title
D86	D86 - 16a	5.01	D02	D02.08	Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure
D381	D381 - 12	5.01	D02	D02.14	Standard Test Method for Gum Content in Fuels by Jet Evaporation
D471	D471 - 16a	9.01	D11	D11.15	Standard Test Method for Rubber Property-Effect of Liquids
D1298	D1298 - 12b	5.01	D02	D02.02	Standard Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method
D1613	D1613 - 17	6.04	D01	D01.35	Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products
D1688	D1688 - 12	11.01	D19	D19.05	Standard Test Methods for Copper in Water
D2622	D2622 - 16	5.01	D02	D02.03	Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-ray Fluorescence Spectrometry
D3120	D3120 - 08(2014)	5.01	D02	D02.03	Standard Test Method for Trace Quantities of Sulfur in Light Liquid Petroleum Hydrocarbons by Oxidative Microcoulometry
D4052	D4052 - 16	5.02	D02	D02.04.0D	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter
D4057	D4057 - 12	5.02	D02	D02.02	Standard Practice for Manual Sampling of Petroleum and Petroleum Products
D4175	D4175 - 17	5.02	D02	D02.95	Standard Terminology Relating to Petroleum Products, Liquid Fuels, and Lubricants
D4177	D4177 - 16	5.02	D02	D02.02	Standard Practice for Automatic Sampling of Petroleum and Petroleum Products
D4306	D4306-15	5.02	D02	D02.J0.04	Standard Practice for Aviation Fuel Sample Containers for Tests Affected by Trace Contamination
D4806	D4806-16a	5.02	D02	D02.A0.02	Standard Specification for Denatured Fuel Ethanol for Blending with Gasolines for Use as Automotive Spark-Ignition Engine Fuel
D4814	D4814 - 16ee1	5.02	D02	D02.A0.01	Standard Specification for Automotive Spark-Ignition Engine Fuel
D5453	D5453 - 16e1	5.02	D02	D02.03	Standard Test Method for Determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence
D5501	D5501 - 12(2016)	5.02	D02	D02.04.0L	Standard Test Method for Determination of Ethanol and Methanol Content in Fuels Containing Greater than 20% Ethanol by Gas Chromatography

D5580	D5580 - 15	5.02	D02	D02.04.0L	Standard Test Method for Determination of Benzene, Toluene, Ethylbenzene, p/m-Xylene, o-Xylene, C9 and Heavier Aromatics, and Total Aromatics in Finished Gasoline by Gas Chromatography
D5797	D5797 - 16	5.02	D02	D02.A0.02	Standard Specification for Methanol Fuel Blends (M51-M85) for Methanol-Capable Automotive Spark-Ignition Engines
D5798	D5798 - 15	5.02	D02	D02.A0.02	Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark-Ignition Engines
D5854	D5854 - 96(2015)	5.02	D02	D02.02.08	Standard Practice for Mixing and Handling of Liquid Samples of Petroleum and Petroleum Products
D6423	D6423 - 14	5.03	D02	D02.A0.02	Standard Test Method for Determination of pH of Denatured Fuel Ethanol and Ethanol Fuel Blends
D6550	D6550 - 15	5.03	D02	D02.04.0C	Standard Test Method for Determination of Olefin Content of Gasolines by Supercritical-Fluid Chromatography
D7039	D7039 - 15a	5.04	D02	D02.03	Standard Test Method for Sulfur in Gasoline, Diesel Fuel, Jet Fuel, Kerosine, Biodiesel, Biodiesel Blends, and Gasoline-Ethanol Blends by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry
D7318	D7318 - 13	5.04	D02	D02.03	Standard Test Method for Existent Inorganic Sulfate in Ethanol by Potentiometric Titration
D7319	D7319 - 13	5.04	D02	D02.03	Standard Test Method for Determination of Existent and Potential Sulfate and Inorganic Chloride in Fuel Ethanol and Butanol by Direct Injection Suppressed Ion Chromatography
D7328	D7328 - 16	5.04	D02	D02.03	Standard Test Method for Determination of Existent and Potential Inorganic Sulfate and Total Inorganic Chloride in Fuel Ethanol by Ion Chromatography Using Aqueous Sample Injection
D7563	D7563 - 10(2016)	5.04	D02	D02.B0.07	Standard Test Method for Evaluation of the Ability of Engine Oil to Emulsify Water and Simulated Ed85 Fuel
D7577	D7577-12(2016)	5.04	D02	D02.14	Standard Test Method for Determining the Accelerated Iron Corrosion Rating of Denatured Fuel Ethanol and Ethanol Fuel Blends
D7717	D7717 - 11	5.04	D02	D02.04.0A	Standard Practice for Preparing Volumetric Blends of Denatured Fuel Ethanol and Gasoline Blendstocks for Laboratory Analysis
D7757	D7757 - 12	5.05	D02	D02.03	Standard Test Method for Silicon in Gasoline and Related Products by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry

D7794	D7794 - 14	5.05	D02	D02.A0.02	Standard Practice for Blending Mid-Level Ethanol Fuel Blends for Flexible-Fuel Vehicles with Automotive Spark-Ignition Engines
D7795	D7795 - 15	5.05	D02	D02.06	Standard Test Method for Acidity in Ethanol and Ethanol Blends by Titration
D7875	D7875 - 14	5.05	D02	D02.04.0L	Standard Test Method for Determination of Butanol and Acetone Content of Butanol for Blending with Gasoline by Gas Chromatography
E29	E29 - 13	14.05	E11	E11.30	Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications
E203	E203 - 16	6.04	D16	D16.15	Standard Test Method for Water Using Volumetric Karl Fischer Titration
E300	E300 - 03(2009)	6.04	D16	D16.15	Standard Practice for Sampling Industrial Chemicals
E1064	E1064 - 16	6.04	D16	D16.15	Standard Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration