

## DENSITY STANDARDS



ORGANISATION	NOTATION	LAST REV.	TITLE
AOAC	945.102	1945	Oil (Mineral) in Fat
AOAC	982.10	1982	Alcohol by Volume in Distilled Liquors
AOAC	983.12	1983	Alcohol by Volume in Liqueurs and Alcoholic Dairy Products
AOAC	988.06	1988	Specific Gravity of Beer and Wort
AOAC	992.29	1997	Ethanol and Original Gravity Content in Beer
ASBC	Beer-2B	2014	Specific Gravity by digital density meter (1978)
ASBC	Beer-4E	1989	Instrumental method for alcohol and original gravity content (1989)
ASBC	Beer-5A&B	1958	Real Extract — Beer measured volumetrically & gravimetrically (1958)
ASBC	Wort-2	2011	Specific Gravity by digital density meter (2011)
ASTM	D1250-08	2013	Standard Guide for Use of the Petroleum Measurement Tables
ASTM	D1475-13	2013	Standard Test Method For Density of Liquid Coatings, Inks, and Related Products
ASTM	D2501-14	2014	Standard Test Method for Calculation of Viscosity-Gravity Constant (VGC) of Petroleum Oils
ASTM	D4052-16	2016	Standard Test Method for Density, Relative Density, and API Gravity of Liquids by Digital Density Meter
ASTM	D4806-17	2017	Standard Specification for Denatured Fuel Ethanol for Blending with Gasolines for Use as Automotive Spark-Ignition Engine Fuel
ASTM	D5002-16	2016	Method for Density and Relative Density of Crude Oils by Digital Density Analyzer
ASTM	D5931-13	2013	Standard Test Method for Density and Relative Density of Engine Coolant Concentrates and Aqueous Engine Coolants by Digital Density Meter
ASTM	D6448-16	2016	Standard Specification for Industrial Burner Fuels from Used Lubricating Oils
ASTM	D7777-13	2013	Standard Test Method for Density, Relative Density, or API Gravity of Liquid Petroleum by Portable Digital Density Meter
CPTC	SH/T 0604-2000 eqv. ISO 12185	1997	Crude petroleum and petroleum products. Determination of density. Oscillating U-tube method
DIN	51423	2010	Testing of mineral oils — Part 2: Measurement of the relative refractive index with the Abbe-refractometer
DIN	51757	2011	Testing of mineral oils and related materials — Determination of density
EBC	1.6 (Apparatus)	1999	Care and Adjustment of Apparatus: Density Meters
EBC	8.2.2 (Wort)	2004	Specific Gravity of Wort using a Density Meter
EBC	9.43.2 (Beer)	2004	Specific Gravity of Beer using a Density Meter
EI	IP 365	2004	Crude petroleum and petroleum products — Determination of density — Oscillating U-tube method
EI	IP 559	2012	Determination of density of middle distillate fuels - Hand held oscillating U-tube density meter method
EU	Commission Reg. (EC) No 2676/90	1990	Determining Community methods for the analysis of wines
EU	Commission Reg. (EC) No 2870/2000	2000	Laying down Community reference methods for the analysis of spirits drinks

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EU	Commission Reg. (EC) No 128/2004	2004	Amending Regulation (EEC) No 2676/90 determining Community methods for the analysis of wines
EU	Commission Reg. (EC) No 355/2005	2005	Amending Regulation (EEC) No 2676/90 determining Community methods for the analysis of wines
ISO	12185:1997-11	1997	Crude petroleum and petroleum products — Determination of density — Oscillating U-tube method
ISO	14214:2014-06	2014	Liquid petroleum products — Fatty acid methyl esters (FAME) for use in diesel engines and heating applications — Requirements and test methods
ISO	15212-1:1999-06	1999	Oscillation-type density meters — Part 1: Laboratory instruments
ISO	18301:2014	2014	Animal and vegetable fats and oils — Determination of conventional mass per volume (litre weight in air) — Oscillating U-tube method
ISO	2811-3:2011-06	2011	Paints and varnishes — Determination of density — Part 3: Oscillation method
JIS	K 0061-2001	2001	Method for density and specific gravity measurement of chemical products
JIS	K 2249-2011	2011	Crude Petroleum And Petroleum Products — Determination Of Density — Part 1: Oscillating U-tube Method
OIML	R 22	1973	International Alcoholometric Tables — Determination of Volume of ethanol-water solution
OIV	MA-AS2-03B   MA-AS2-01A	2012	Total dry matter
OIV	MA-BS-04	2014	Reference method for the determination of real alcoholic strength by volume of spirit drinks of viti-vinicultural origin: measurement by electronic densimetry
Ph. Eur.	9th Edition-2.2.5	2017	Relative density
USP	841	2013	Specific Gravity

### STANDARD ORGANISATIONS

- AOAC – Association of Analytical Communities
- ASBC – American Society of Brewing Chemists
- ASTM – American Society for Testing and Materials
- CPTC – Canadian Pipeline Technology Collaborative
- DIN – German Institute for Standardization
- EBC – European Brewery Convention
- EI – Energy Institute
- EU – European Union
- ISO – International Organization for Standardization
- JIS – Japanese Industrial Standards
- OIML – International Organization of Legal Metrology
- OIV – International Organisation of Vine and Wine
- Ph. Eur. – European Pharmacopoeia
- USP – United States Pharmacopoeia

