

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

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| 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 |

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