

REFRACTOMETER STANDARDS



ORGANISATION	NOTATION	LAST REV.	TITLE
AOAC	898.02	1898	Physical Constants of 10 per cent distillate of lemon and orange oils
AOAC	905.01	1905	Methanol in Distilled Liquors - Immersion refractometer method
AOAC	908.01 Appendix C	1908	Percent Alcohol by Volume in Distilled Liquors
AOAC	920.141	1920	Refractive index of lemon and orange oils
AOAC	920.58	1920	Alcohol in wines - By volume from refraction (rapid method)
AOAC	920.78	1920	Index of refraction of cacao fat
AOAC	921.08	1921	Index of refraction of oils and fats
AOAC	932.12	1980	Solids (soluble) in fruits and fruit products
AOAC	932.14	2000	Solids in syrups
AOAC	940.06	1940	Methanol in Cordials and Liqueurs
AOAC	940.09	1964	Total Solids in Cordials and Liqueurs
AOAC	940.16	1940	Volatile esters in cordials and liqueurs
AOAC	943.05	1997	Dry substance in corn syrups and sugars
AOAC	945.102	1945	Oil (mineral) in fats
AOAC	948.10	1948	Water (added) in milk
AOAC	950.04	1950	Alcohol by volume in distilled liqueurs
AOAC	950.06	1997	Fermentation of beer
AOAC	950.13	1950	Alcohol in nonalcoholic beverages
AOAC	953.16	1953	Fruit Content (Approximate) of Frozen Fruit-Sugar Mixtures
AOAC	960.57	1970	Crystalline substances
AOAC	969.18	1969	Refractive Index of Butterfat
AOAC	969.38	1969	Moisture in honey
AOAC	970.15	1971	Alcohol (by weight) in beer - Refractometer method
AOAC	970.59	2002	Solids (soluble) in tomato products
AOAC	973.65	1974	Characterization and matching of glass fragments
AOAC	976.20	1976	Solids (Soluble) in Frozen Concentrate for Lemonade
AOAC	981.23	1992	Mineral wool insulation
AOAC	983.01	1984	Urea and methyleneureas (Water-soluble) in fertilizers
AOAC	983.17	2001	Solids (Soluble) in Citrus Fruit Juices
AOAC	995.17	1998	Beet sugars in fruit juices

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ORGANISATION	NOTATION	LAST REV.	TITLE
AOAC	2000.19	2000	Beet or cane sugar in maple syrup
AOCS	S 2-64	2017	Methods for Testing Drying Oils
AOCS	Tp 1a-64	2017	Refractive Index of Drying Oils
AOCS	Methods Set	2000	AOCS Methods Set
ASTM	D542-14	2014	Standard Test Method for Index of Refraction of Transparent Organic Plastics
ASTM	D5775-95(2014)	2014	Standard Test Method for Rubber—Determination of Bound Styrene in Styrene Butadiene Rubber by Refractive Index
ASTM	D1218-12(2016)	2016	Standard Test Method for Refractive Index and Refractive Dispersion of Hydrocarbon Liquids
ASTM	D1747-09(2014)	2014	Standard Test Method for Refractive Index of Viscous Materials
ASTM	D3321-19	2019	Standard Test Method for Use of the Refractometer for Field Test Determination of the Freezing Point of Aqueous Engine Coolants
ASTM	D4095-97(2014)	2014	Standard Practice for Use of the Refractometer for Determining Nonvolatile Matter (Total Solids) in Floor Polishes
ASTM	D4542-15	2015	Standard Test Methods for Pore Water Extraction and Determination of the Soluble Salt Content of Soils by Refractometer
ASTM	D5006-11(2016)	2016	Standard Test Method for Measurement of Fuel System Icing Inhibitors (Ether Type) in Aviation Fuels
DIN	51423-2:2010-02	2010	Testing of mineral oils - Part 2: Measurement of the relative refractive index with the Abbe-refractometer Prüfung von Mineralölen - Teil 2: Messung der relativen Brechzahl mit dem Abbe-Refraktometer
EHC	Harmonised methods of the European Honey Commission	1997	Determination of moisture, refractometric method
ICUMSA	GS4/3/8-13 (2009)	2009	The Determination of Refractometric Dry Substance (RDS %) of Molasses - Accepted and Very Pure Syrups (Liquid Sugars), Thick Juice and Run-off Syrups-Official
ICUMSA	SPS-3 (2000)	2000	Refractometry and Tables - Official
ISO	1743:1982	2013	Glucose Syrup – Determination of dry matter content – Refractive index method
OIML	R 108	1993	Refractometers for the measurement of the sugar content of fruit juices
OIV	MA-AS2-02 : R2012	2012	Evaluation by refractometry of the sugar concentration in grape musts, concentrated grape musts and rectified concentrated grape musts
OIV	MA-AS312-01B : R2009	2009	Alcoholic strength by volume - Measurement of the alcoholic strength of the distillate by refractometry
Ph. Eur.	7th Edition-2.2.7	2008	Refractive Index
USP	831	2013	Refractive Index

STANDARD ORGANISATIONS

AOAC	–	Association of Analytical Communities
AOCS	–	American Oil Chemists' Society
ASTM	–	American Society for Testing and Materials
DIN	–	German Institute for Standardization
EHC	–	European Honey Commission
ICUMSA	–	International Commission for Uniform Methods of Sugar Analysis
ISO	–	International Organization for Standardization
OIML	–	International Organization of Legal Metrology
OIV	–	International Organisation of Vine and Wine
Ph. Eur.	–	European Pharmacopoeia
USP	–	United States Pharmacopoeia