



Reagecon

Brix Standards

Brix Standards

Summary of Features & Benefits:

Commercial Benefits

- Most extensive range available in the market place
- Customised pack options available
- Extended shelf life - 12 weeks-(Manufactured in accordance with ICUMSA guidelines)
- Extended 1 Year shelf life (For users not required to follow ICUMSA Guidelines)
- Can be used with any brand of refractometer
- Extensive range (0 - 67.5% Brix)
- Presented in a convenient high quality dropper bottle
- Available as single bottles or a handy set of 6 bottles
- Ready to Use

Technical Benefits

- Test results accredited to ISO17025 for values up to 60% Brix
- Uncertainty of measurement $\pm 0.11\%$ for all Brix values @ 20°C
- Manufactured in accordance with ISOGuide34 (Measurement uncertainty computed on a batch by batch basis under these guidelines)
- 1 full set in accordance with ICUMSA guidelines
- Consistency of product-Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online

Reagecon manufactures several ranges of Brix/Refractive Index Standards for ease of use when controlling all types of refractometers. All of these standards are manufactured using high purity raw materials. The first range - Product No's BS00 to BS60, are manufactured in accordance with ICUMSA guidelines and have an extended 12 week shelf life. The subsequent ranges - Product No.'s BS00S to BS67S for single bottles and BS00S6 to BS67S6 for packs of six bottles, contain the same raw materials as the ICUMSA range, but are stabilised to have an extended shelf - life of 1 year. These products represent excellent value for users that are not required to follow ICUMSA Guidelines.

All products are prepared gravimetrically on a weight/weight basis. Both solute (sucrose) and solvent (water) are weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of laboratory balances (INAB ref: 265C). The resulting Balance Certificate of Calibration is issued in accordance with the requirements of ISO/IEC 17025. The Brix value of the standard is verified using a high performance calibrated, temperature controlled refractometer. The control of this instrument is completed using high purity ISO Guide 34 accredited Brix standards similar in Brix value to the products listed.



Brix Standards - ICUMSA - 12 Week Shelf Life

Product No.	Description (20°C)	Normal Refractive Index @ 20°C★	Pack size
BS00	Sucrose (Brix) Standard – 0%	1.332986	15ml
BS00	Sucrose (Brix) Standard – 0%	1.332986	15ml
BS05	Sucrose (Brix) Standard – 5%	1.340264	15ml
BS07	Sucrose (Brix) Standard – 7%	1.343253	15ml
BS10	Sucrose (Brix) Standard – 10%	1.347824	15ml
BS112	Sucrose (Brix) Standard – 11.2%	1.349682	15ml
BS115	Sucrose (Brix) Standard – 11.5%	1.350149	15ml
BS12	Sucrose (Brix) Standard – 12%	1.350930	15ml
BS125	Sucrose (Brix) Standard – 12.5%	1.351714	15ml
BS15	Sucrose (Brix) Standard – 15%	1.355679	15ml
BS20	Sucrose (Brix) Standard – 20%	1.363842	15ml
BS25	Sucrose (Brix) Standard – 25%	1.372328	15ml
BS30	Sucrose (Brix) Standard – 30%	1.381149	15ml
BS35	Sucrose (Brix) Standard – 35%	1.390322	15ml
BS40	Sucrose (Brix) Standard – 40%	1.399860	15ml
BS45	Sucrose (Brix) Standard – 45%	1.409777	15ml
BS50	Sucrose (Brix) Standard – 50%	1.420087	15ml
BS55	Sucrose (Brix) Standard – 55%	1.430800	15ml
BS60	Sucrose (Brix) Standard – 60%	1.441928	15ml

★ The nominal Refractive Index value is taken from the ICUMSA published tables

Brix Standards - Stabilised - 1 Year Shelf Life

Product No.	Description (20°C)	Nominal Refractive Index @ 20°C★	Pack size
BS00S	Sucrose (Brix) Standard – 0%	1.332986	15ml
BS05S	Sucrose (Brix) Standard – 5%	1.340264	15ml
BS07S	Sucrose (Brix) Standard – 7%	1.343253	15ml
BS10S	Sucrose (Brix) Standard – 10%	1.347824	15ml
BS112S	Sucrose (Brix) Standard – 11.2%	1.349682	15ml
BS115S	Sucrose (Brix) Standard – 11.5%	1.350149	15ml
BS12S	Sucrose (Brix) Standard – 12%	1.350930	15ml
BS125S	Sucrose (Brix) Standard – 12.5%	1.351714	15ml
BS15S	Sucrose (Brix) Standard – 15%	1.355679	15ml
BS20S	Sucrose (Brix) Standard – 20%	1.363842	15ml
BS25S	Sucrose (Brix) Standard – 25%	1.372328	15ml
BS30S	Sucrose (Brix) Standard – 30%	1.381149	15ml
BS35S	Sucrose (Brix) Standard – 35%	1.390322	15ml
BS40S	Sucrose (Brix) Standard – 40%	1.399860	15ml
BS45S	Sucrose (Brix) Standard – 45%	1.409777	15ml
BS50S	Sucrose (Brix) Standard – 50%	1.420087	15ml
BS55S	Sucrose (Brix) Standard – 55%	1.430800	15ml
BS60S	Sucrose (Brix) Standard – 60%	1.441928	15ml
BS67S	Sucrose (Brix) Standard – 67.5%	1.459290	15ml
		(6 months)	

★ The nominal Refractive Index value is taken from the ICUMSA published tables for all product numbers except BS67S (Brix Value 67.5%) which is a measured value.

Brix Standards - Stabilised - 1 Year Shelf Life

Set of 6

Product No.	Description (20°C)	Nominal Refractive Index @ 20°C★	Pack size
BS00S6	Sucrose (Brix) Standard – 0%	1.332986	6 x 15ml
BS05S6	Sucrose (Brix) Standard – 5%	1.340264	6 x 15ml
BS07S6	Sucrose (Brix) Standard – 7%	1.343253	6 x 15ml
BS10S6	Sucrose (Brix) Standard – 10%	1.347824	6 x 15ml
BS112S6	Sucrose (Brix) Standard – 11.2%	1.349682	6 x 15ml
BS115S6	Sucrose (Brix) Standard – 11.5%	1.350149	6 x 15ml
BS12S6	Sucrose (Brix) Standard – 12%	1.350930	6 x 15ml
BS125S6	Sucrose (Brix) Standard – 12.5%	1.351714	6 x 15ml
BS15S6	Sucrose (Brix) Standard – 15%	1.355679	6 x 15ml
BS20S6	Sucrose (Brix) Standard – 20%	1.363842	6 x 15ml
BS25S6	Sucrose (Brix) Standard – 25%	1.372328	6 x 15ml
BS30S6	Sucrose (Brix) Standard – 30%	1.381149	6 x 15ml
BS35S6	Sucrose (Brix) Standard – 35%	1.390322	6 x 15ml
BS40S6	Sucrose (Brix) Standard – 40%	1.399860	6 x 15ml
BS45S6	Sucrose (Brix) Standard – 45%	1.409777	6 x 15ml
BS50S6	Sucrose (Brix) Standard – 50%	1.420087	6 x 15ml
BS55S6	Sucrose (Brix) Standard – 55%	1.430800	6 x 15ml
BS60S6	Sucrose (Brix) Standard – 60%	1.441928	6 x 15ml
BS67S6	Sucrose (Brix) Standard – 67.5%	1.459290	6 x 15ml

★ The nominal Refractive Index value is taken from the ICUMSA published tables for all product numbers except BS67S6 (Brix Value 67.5%) which is a measured value.