

Sucrose in Water Standards



Summary of Features & Benefits:

Commercial Benefits

- Customised pack options available
- Extended shelf life - 20 weeks - (Manufactured in accordance with ICUMSA guidelines)
- Ready to Use
- Can be used with any brand of refractometer
- Extensive range (1-60% mass/mass Sucrose in Water solutions)
- Presented in a convenient high quality dropper bottle

Technical Benefits

- Measurement uncertainty computed on a batch by batch basis under these guidelines
- Consistency of product - Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available

Reagecon now manufacture a range of Sucrose in Water solutions. These standards are certified by gravimetric preparation, with an uncertainty of measurement of < 0.15% mass/mass.

Sucrose in Water Standards - 20 Week Shelf Life

Product No.	% Sucrose in Water	Nominal Brix %	Pack size
BS05	5% Sucrose	5% Brix	15ml
BS07	7% Sucrose	7% Brix	15ml
BS10	10% Sucrose	10% Brix	15ml
BS112	11.2% Sucrose	11.2% Brix	15ml
BS115	11.5% Sucrose	11.5% Brix	15ml
BS12	12% Sucrose	12% Brix	15ml
BS125	12.5% Sucrose	12.5% Brix	15ml
BS15	15% Sucrose	15% Brix	15ml
BS20	20% Sucrose	20% Brix	15ml
BS25	25% Sucrose	25% Brix	15ml
BS30	30% Sucrose	30% Brix	15ml
BS35	35% Sucrose	35% Brix	15ml
BS40	40% Sucrose	40% Brix	15ml
BS45	45% Sucrose	45% Brix	15ml
BS50	50% Sucrose	50% Brix	15ml
BS55	55% Sucrose	55% Brix	15ml
BS60	60% Sucrose	60% Brix	15ml

Brix Standards (Stabilised)



Summary of Features & Benefits:

Commercial Benefits

- Most extensive range available in the market place
- Customised pack options available
- 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 method accredited to ISO/IEC 17025 for values 5-60% Brix (A2LA Ref: 6739.03)
- Uncertainty of measurement $\pm 0.11\%$ for all Brix values @ 20°C
- 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. These Product 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.

Reagecon holds ISO 17025 accreditation (A2LA Ref: 6739.03) for testing Refractive Index (Brix standards) using refractometry. These products are prepared gravimetrically on a weight/weight basis. Both solute and solvent are weighed on a balance calibrated by OIML traceable weights. Reagecon holds ISO 17025 accreditation (A2LA Ref: 6739.02) for calibration of laboratory balances. 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 17034 accredited Brix standards similar in Brix value to the products listed.



Brix Standards - Stabilised - 1 Year Shelf Life

Description		Product No. 15ml	Product No. 6x15ml
Sucrose (Brix) Standard Stabilised 0%		BS00S	BS00S6
Sucrose (Brix) Standard Stabilised 5%		BS05S	BS05S6
Sucrose (Brix) Standard Stabilised 7%		BS07S	BS07S6
Sucrose (Brix) Standard Stabilised 10%		BS10S	BS10S6
Sucrose (Brix) Standard Stabilised 11.2%		BS112S	BS112S6
Sucrose (Brix) Standard Stabilised 11.5%		BS115S	BS115S6
Sucrose (Brix) Standard Stabilised 12%		BS12S	BS12S6
Sucrose (Brix) Standard Stabilised 12.5%		BS125S	BS125S6
Sucrose (Brix) Standard Stabilised 14.9%		BS149S	BS149S6
Sucrose (Brix) Standard Stabilised 15%		BS15S	BS15S6
Sucrose (Brix) Standard Stabilised 19.4%		BS194S	BS194S6
Sucrose (Brix) Standard Stabilised 20%		BS20S	BS20S6
Sucrose (Brix) Standard Stabilised 23.8%		BS238S	BS238S6
Sucrose (Brix) Standard Stabilised 25%		BS25S	BS25S6
Sucrose (Brix) Standard Stabilised 30%		BS30S	BS30S6
Sucrose (Brix) Standard Stabilised 35%		BS35S	BS35S6
Sucrose (Brix) Standard Stabilised 40%		BS40S	BS40S6
Sucrose (Brix) Standard Stabilised 45%		BS45S	BS45S6
Sucrose (Brix) Standard Stabilised 50%		BS50S	BS50S6
Sucrose (Brix) Standard Stabilised 55%		BS55S	BS55S6
Sucrose (Brix) Standard Stabilised 60%		BS60S	BS60S6
Sucrose (Brix) Standard Stabilised 67.5%		BS67S	BS67S6