



Reagecon

*Refractive Index
Standards*

Refractive Index Standards

Summary of Features & Benefits:

Commercial Benefits

- Both sucrose and solvent based standards available
- Most extensive range in the marketplace
- Customised pack options available
- Shelf life of 1 - 2 years
- Can be used with any brand of refractometer
- Extensive range (1.34325-1.65808 n_D)
- 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 1.44193 n_D
- Uncertainty of measurement up to ± 0.00014 n_D units
- Consistency of product-Independent, Traceable, Certified
- Certificates of Analysis and Safety Data Sheets available online

Product No.'s RIBS07S to RIBS60S have identical components and shelf life (1 Year) to the stabilised Brix Standards already described in the previous section. However, the certified values are expressed in Refractive Index (R.I) units n_D . All these 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 R.I. 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.



Refractive Index Standards - Stabilised Sucrose - 1 Year Shelf Life

Product No.	Description (20°C)	Nominal Refractive Index @ 20°C*	Pack size
RIBS07S	Refractive Index @ 20°C	1.34325	15ml
RIBS10S	Refractive Index @ 20°C	1.34782	15ml
RIBS112S	Refractive Index @ 20°C	1.34968	15ml
RIBS115S	Refractive Index @ 20°C	1.35015	15ml
RIBS12S	Refractive Index @ 20°C	1.35093	15ml
RIBS125S	Refractive Index @ 20°C	1.35171	15ml
RIBS15S	Refractive Index @ 20°C	1.35568	15ml
RIBS20S	Refractive Index @ 20°C	1.36384	15ml
RIBS25S	Refractive Index @ 20°C	1.37233	15ml
RIBS30S	Refractive Index @ 20°C	1.38115	15ml
RIBS35S	Refractive Index @ 20°C	1.39032	15ml
RIBS40S	Refractive Index @ 20°C	1.39986	15ml
RIBS45S	Refractive Index @ 20°C	1.40978	15ml
RIBS50S	Refractive Index @ 20°C	1.42009	15ml
RIBS55S	Refractive Index @ 20°C	1.43080	15ml
RIBS60S	Refractive Index @ 20°C	1.44193	15ml

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

Refractive Index Standards - Stabilised Sucrose - 1 Year Shelf Life

Product No.	Description (20°C)	Nominal Refractive Index @ 20°C*	Pack size
RIBS07S6	Refractive Index @ 20°C	1.34325	6 x 15ml
RIBS10S6	Refractive Index @ 20°C	1.34782	6 x 15ml
RIBS112S6	Refractive Index @ 20°C	1.34968	6 x 15ml
RIBS115S6	Refractive Index @ 20°C	1.35015	6 x 15ml
RIBS12S6	Refractive Index @ 20°C	1.35093	6 x 15ml
RIBS125S6	Refractive Index @ 20°C	1.35171	6 x 15ml
RIBS15S6	Refractive Index @ 20°C	1.35568	6 x 15ml
RIBS20S6	Refractive Index @ 20°C	1.36384	6 x 15ml
RIBS25S6	Refractive Index @ 20°C	1.37233	6 x 15ml
RIBS30S6	Refractive Index @ 20°C	1.38115	6 x 15ml
RIBS35S6	Refractive Index @ 20°C	1.39032	6 x 15ml
RIBS40S6	Refractive Index @ 20°C	1.39986	6 x 15ml
RIBS45S6	Refractive Index @ 20°C	1.40978	6 x 15ml
RIBS50S6	Refractive Index @ 20°C	1.42009	6 x 15ml
RIBS55S6	Refractive Index @ 20°C	1.43080	6 x 15ml
RIBS60S6	Refractive Index @ 20°C	1.44193	6 x 15ml

* 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.

Solvent Based Refractive Index Standards - 2 Year Shelf Life

Product No.	Description (20°C)	Nominal Refractive Index @ 20°C	Pack size
RI0138	Refractive Index @ 20°C	1.38779	15ml
RI0140	Refractive Index @ 20°C	1.40485	15ml
RI0142	Refractive Index @ 20°C	1.42345	15ml
RI0144	Refractive Index @ 20°C	1.44468	15ml
RI0146	Refractive Index @ 20°C	1.46768	15ml
RI0149	Refractive Index @ 20°C	1.49672	15ml
RI0150	Refractive Index @ 20°C	1.50044	15ml
RI0151	Refractive Index @ 20°C	1.51726	15ml
RI0154	Refractive Index @ 20°C	1.53660	15ml
RI0165	Refractive Index @ 20°C	1.65808	15ml

Solvent Based Refractive Index Standards - 2 Year Shelf Life

Product No.	Description (20°C)	Nominal Refractive Index @ 20°C	Pack size
RI01386	Refractive Index @ 20°C	1.38779	6 x 15ml
RI01406	Refractive Index @ 20°C	1.40485	6 x 15ml
RI01426	Refractive Index @ 20°C	1.42340	6 x 15ml
RI01446	Refractive Index @ 20°C	1.44468	6 x 15ml
RI01466	Refractive Index @ 20°C	1.46768	6 x 15ml
RI01496	Refractive Index @ 20°C	1.49672	6 x 15ml
RI01506	Refractive Index @ 20°C	1.50044	6 x 15ml
RI01516	Refractive Index @ 20°C	1.51726	6 x 15ml
RI01546	Refractive Index @ 20°C	1.53660	6 x 15ml
RI01656	Refractive Index @ 20°C	1.65808	6 x 15ml