

## Sucrose Brix/RI Standards

Paragon Scientific produces a range of sucrose standards for use in the calibration and verification of all types of refractometer e.g. handheld, Abbe and high accuracy digital instruments. Sucrose standards are manufactured using traceable high purity materials to four decimal places following ICUMSA methods. These are the first standards available worldwide which carry a full certification according to ISO 17025 and ISO Guide 34 under UKAS accreditation.

Paragon dual certified ISO 17025 / ISO Guide 34 brix standards are for the calibration and verification of all types of refractometer e.g. handheld, Abbe and high accuracy digital instruments.

Typically used within the food and beverage and pharmaceutical industries.

- Certified according to ISO 17025 / ISO Guide 34 under UKAS accreditation
- Primary refractive index standards traceable to national standards
- Manufactured in accordance with ICUMSA Methods
- Supplied in tamper evident packs with 6 weeks shelf life
- Manufactured in the United Kingdom
- Monthly delivery contracts available for economy, convenience and reliability

### Sucrose Brix / RI Standards

Product Code	Shelf Life	Brix	Certified Value	Index	Pack Size
SS00	6 Weeks	-	Pure Water	1.33299	15mL*
SS05	6 Weeks	5.00	5.00 +/-0.02%	1.34026	15mL*
SS075	6 Weeks	7.50	7.50 +/-0.02%	1.34400	15mL*
SS10	6 Weeks	10.00	10.00 +/-0.02%	1.34782	15mL*
SS112	6 Weeks	11.20	11.20 +/-0.02%	1.34968	15mL*
SS115	6 Weeks	11.50	11.50 +/-0.02%	1.35015	15mL*
SS12	6 Weeks	12.00	12.00 +/-0.02%	1.35092	15mL*
SS125	6 Weeks	12.50	12.50 +/-0.02%	1.35171	15mL*
SS15	6 Weeks	15.00	15.00 +/-0.02%	1.35568	15mL*
SS20	6 Weeks	20.00	20.00 +/-0.02%	1.36384	15mL*
SS25	6 Weeks	25.00	25.00 +/-0.02%	1.37233	15mL*
SS30	6 Weeks	30.00	30.00 +/-0.02%	1.38115	15mL*
SS35	6 Weeks	35.00	35.00 +/-0.02%	1.39032	15mL*
SS40	6 Weeks	40.00	40.00 +/-0.02%	1.39986	15mL*
SS45	6 Weeks	45.00	45.00 +/-0.02%	1.40978	15mL*
SS50	6 Weeks	50.00	50.00 +/-0.02%	1.42009	15mL*
SS55	6 Weeks	55.00	55.00 +/-0.02%	1.43080	15mL*
SS60	6 Weeks	60.00	60.00 +/-0.02%	1.44193	15mL*

Please check website for up-to-date information

**\*Also available in 60, 100, 150 and 250mL pack size.**

## Oil RI Standards

Calibration Oils are one of the most commonly used materials for calibrating refractometers as they have good traceability, particularly to NIST. Having a high temperature co-efficient, calibration oils are used where strict temperature control is adopted, either by Peltier or external waterbath between 10 and 75°C.

Calibration Oils are batch manufactured and so values may differ slightly from published data. Oils are supplied in multipacks of 5 x 5mL bottles with a certificate of calibration, MSDS and pipettes and have an expiry date 12 months from date of dispatch.

For refractometers operating at high temperatures where water starts to evaporate, an oil may be used as a zero calibration medium. Typical applications include those in the confectionery, edible oil and mineral oil marketplaces.

Reference – manufactured and certified by Bellingham + Stanley, certified according to ISO 17025 under UKAS accreditation.

### Oil RI Standards

Product Code	Shelf Life	Nature	Temp	Certified Value Pack	Type	Pack Size
PS-RI-BSDC	12 Months	Silicone Fluid	20°C	1.51000 (nominal)	Glass	5 x 5mL
PS-RI-BSLP	12 Months	Liquid Parafin	20°C	1.46700 (nominal)	Glass	5 x 5mL
PS-RI-BSDD	12 Months	Silicone Fluid	20°C	1.56000 (nominal)	Glass	5 x 5mL

*Please check website for up-to-date information*

