



0834

Calibration & Verification Materials for Refractometers - Fluids

Bellingham + Stanley Ltd., a UKAS accredited calibration laboratory number 0834, offer a number of different calibration materials for verifying and calibrating refractometers, traceable to NIST. The standards are made to the highest quality and are supplied with certificates. Depending on the application and instrument type, a choice can be made from the following.

AG Calibration Fluids

Ideal for use where verification/calibration at the lower end of the °Brix or Refractive Index scale is required. AG fluids are despatched with at least 12-months validity and when purchased as a 'multi-pack' offer excellent value for money as the 'per bottle shipping cost' is significantly reduced.

Order Code			Type	Specification	
Single 5ml Bottle	Multi-pack of 5 x 5ml Bottle	Multi-pack of 20 x 5ml Bottles		Refractive Index ¹	°Brix ²
90-401	90-501	90-601	AG2.5	1.33659	2.50
90-402	90-502	90-602	AG5	1.34026	5.00
90-403	90-503	90-603	AG7.5	1.34401	7.50
90-404	90-504	90-604	AG10	1.34782	10.00
90-405	90-505	90-605	AG11.2	1.34968	11.20
90-406	90-506	90-606	AG12	1.35093	12.00
90-407	90-507	90-607	AG12.5	1.35171	12.50
90-408	90-508	90-608	AG15	1.35568	15.00
90-418	90-518	90-618	AG40	1.39986	40.00

Maximum Uncertainty: ± 0.000037 RI ± 0.019 °Brix
Traceable to NIST.

Calibration Oils

Calibration Oils are supplied as a pack of 5 x 5ml glass bottles with at least 12-months validity from date of despatch.

Order Code	Description	Specification	
Multi-pack of 5 x 5ml Bottles		Refractive Index ¹	°Brix ²
90-525	Calibration Oil	1.46990	71.81
90-530	Calibration Oil	1.52256	91.75

Maximum Uncertainty: ± 0.000074 RI ± 0.030 °Brix
Traceable to NIST.

Note:

1. Typical Refractive Index @ 589.3nm & 20.0°C.
2. Equivalent °Brix value @ 589.3nm & 20.0°C. °Brix values greater than 85 are extrapolated from the relationship given in ICUMSA SPS-3 (2000) Equation 2.

All quoted values for calibration oils are subject to minor batch to batch variations.



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