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## **CERTIFICATE OF ANALYSIS**

**PRODUCT:** Refractive Index Standard 1.53660 nD @ 20°C

**PRODUCT NO:** RI0154

**LOT NO:** RI015420B1

**DATE OF TEST:** 18<sup>th</sup> February 2020

**EXPIRY DATE:** 28<sup>th</sup> February 2022

**SPECIFICATION:** 1.53160 – 1.54160 nD @ 20°C

**MEAN:** 1.536095nD @ 20°C

**TEST METHOD:**

The result reported above was determined by analysis of a sample of this lot taken at time of manufacture. The Refractive Index value of the standard was determined using a high performance calibrated, temperature controlled refractometer according to TPRIA 01.

This test method provides traceability to high purity ISO Guide 34 Certified Reference Materials.

This certificate relates solely to the lot number given above. The uncertainty of measurement has been calculated not to exceed  $\pm 0.00014$  nD (0.01 %) @ 20°C at 95 % confidence level, i.e. coverage factor  $k=2$ .

### **ACCREDITATION:**

Reagecon Diagnostics Ltd. is accredited by the Irish National Accreditation Board, under scope 264T, for the test method, TPRIA 01, used to generate the above result. This accreditation is intended only to certify that Reagecon has the Quality Management Systems in place to ensure that each individual test result generated using TPRIA 01 is technically valid and is supported by appropriate uncertainty measurements.

## **TRACEABILITY IN THE PRODUCTION OF THIS STANDARD:**

This product was prepared gravimetrically on a weight/weight basis. Both solute and solvent were weighed on a balance calibrated by Reagecon engineers using OIML traceable weights. Reagecon holds ISO 17025 accreditation for calibration of non-automatic weighing machines (265C). The resulting Balance Certificate of Calibration was issued in accordance with the requirements of ISO/IEC 17025. The balance was calibrated under monitored environmental conditions and atmospheric pressure. Tests were performed for capacity, readability, repeatability, eccentricity and linearity.

## **INSTRUCTIONS FOR USE:**

- Prior to use, the contents of the dropper bottle should be brought to room temperature and mixed thoroughly by inversion to ensure a homogeneous mix.
- Remove cap and discharge 4-5 droplets of liquid to waste to clear the nozzle.
- Replace cap immediately after use.
- Product must be stored at 2-8°C when not in use.
- DO NOT FREEZE

**Approved By:** QC Technician



**Date:** 6<sup>th</sup> September 2019

This certificate must not be reproduced except in full.