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## **CERTIFICATE OF ANALYSIS**

<b>PRODUCT:</b>	Density Standard 1.0005g/ml @ 20°C
<b>PRODUCT NO:</b>	DEN20140PY
<b>LOT NO:</b>	DEN21414F1
<b>DATE OF TEST:</b>	15 October 2014
<b>EXPIRY DATE:</b>	28 June 2016
<b>SPECIFICATION:</b>	0.9980 - 1.0030 g/ml @ 20°C
<b>MEAN:</b>	0.9999 g/ml @ 20°C

### **TEST METHOD:**

The result reported above was determined by analysis of a sample of this lot taken at time of manufacture. The density of this standard was determined using a calibrated Bingham pycnometer according to TPPYC. This test method provides traceability to high purity ISO Guide 34 Certified Reference Materials. The measurements were made in accordance with ASTM D1480-07 which is the standard test method for Density and Relative Density (Specific Gravity) of Viscous Materials by Bingham Pycnometer.

This certificate relates solely to the lot number given above.

The uncertainty of measurement has been calculated not to exceed  $\pm 0.00105$  g/ml expanded uncertainty at 95% confidence level, i.e. coverage factor  $k=2$ .

### **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.

**BALANCE ID No.:** RRD006

**CALIBRATION DATE OF BALANCE:** 25 September 2014

**CALIBRATION AUTHORITY OF BALANCE:** Reagecon Diagnostics Ltd, ISO17025  
Accreditation No. 265C

**WEIGHTS No.:** RTS68 & RTS13

**CALIBRATION DATE OF WEIGHTS:** 07 April 2014 & 04 April 2014

**CALIBRATION AUTHORITY OF WEIGHTS:** Complete Calibrations, ISO17025 Accreditation No.  
Accreditation No. 282C

**Approved By:** Quality Manager



**Date:** 15 October 2014

This certificate must not be reproduced except in full.