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CERTIFICATE OF ANALYSIS

PRODUCT: Density Standard 1.0828 g/ml @ 15°C
PRODUCT NO: DEN15160PY
LOT NO: DEN21614E1
DATE OF TEST: 22nd May 2014
EXPIRY DATE: 28th May 2016
SPECIFICATION: 1.0801 – 1.0855 g/ml @ 15°C
MEAN: 1.0827 g/ml @ 15°C
TEST METHOD: TPPYC

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 ± 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.: G1411121122315

CALIBRATION DATE OF BALANCE: 20th December 2013

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

WEIGHTS No.: RTS11

CALIBRATION DATE OF WEIGHTS: 4th November 2013

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

Approved By: Quality Manager

A handwritten signature in dark ink, appearing to read "Darren Mc Ginty". The signature is written in a cursive, flowing style.

Date: 22nd May 2014

This certificate must not be reproduced except in full.