

Certificate of Analysis

Osmolality Standards

Osmolality Standard 1000 mOsm/kg H₂O

Product No:
Lot No:
Expiry Date:

RE-OSM-1000
OSM100021F1
28/06/2024

Mean Certified Value:
Date of Measurement:

999 mOsm/kg H₂O
10/06/2021

Specification:

995.0 - 1005.0 mOsm/Kg H₂O

Method:

The result reported above was determined by analysis of a sample of this lot taken at time of manufacture. Tested in accordance with in-house method TPOSM-1500.

The uncertainty of measurement has been estimated not to exceed $\pm 1.2\%$ at 95% confidence level, ie. coverage factor $k = 2$. The uncertainty reported above was estimated in compliance with the Guide to the Expression of Uncertainty in Measurement (GUM), JCGM 100:2008.

Traceability:

Standard Osmolality solutions used to calibrate the freezing point depression Osmometer Advance Instrument model 3250 have traceability to NIST (SRM) 919b Sodium Chloride via an unbroken chain of comparisons.

Accreditation:

Reagecon Diagnostics Ltd. is accredited by the INAB, under scope 264T, for the test method, TPOSM-1500, 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 TPOSM-1500 is technically valid and is supported by appropriate uncertainty measurements.

Products are manufactured under an NSAI registered I.S EN ISO9001:2015 Quality System, registration no: 19.2769

Date of Issue of the Certificate: 10/06/2021

Eileen Malone

QC Technician **Eileen Malone**

Complementary information relative to this product is available at www.reagecon.com
Page 1 of 1. This Certificate must not be reproduced except in full. Rev-21F1

Reagecon Diagnostics Ltd.
Shannon Free Zone, Shannon, Co. Clare, Ireland.
Tel +353 61 472622, Fax: +353 61 472642
Email: sales@reagecon.ie, www.reagecon.com