

Certificate of Analysis

Product Name: 100 mOsm/kg Calibration Standard
Product Number: 3LA011
Lot Number: 18477
Expiration Date: 2025-10-31
Quality Release Date: 21 April 2023

Internal Test Specification and Result

Test	Specification	Result
Osmolality	99 - 101 mOsm/kg H ₂ O	100 mOsm/kg H ₂ O

The above product was tested on an osmometer that has been optimized and calibrated with NIST standards that have been manufactured using SRM 919b (Sodium Chloride).

Traceability

This product is traceable to NIST (SRM) 919b Sodium Chloride via an unbroken chain of comparisons. The NIST standards were formulated gravimetrically following USP Chapter 785 and tested on a Quality Control Freezing Point Depression Osmometer.

NIST Traceable Standard Used	Standard Lot Number	Standard Expiration
100 mOsm/kg H ₂ O	0401213	2023-05-31

Balances used to prepare these NIST standards have been calibrated with American Society for Testing and Materials (ASTM) class weights traceable to NIST. Balances used to manufacture the NIST standards are calibrated by a service provider that is accredited to ISO/IEC 17025:2017.

Storage/Handling/Stability

Storage	Handling	Stability
2 - 30° C (36 - 86° F)	Dispose of any opened ampules at end of day. Do not freeze.	Refer to expiration date on the box.

The information on this Certificate is only valid when the manufacturer's instructions are followed. Please see the product insert for more information.

Factors of Uncertainty

Refer to Document CL00153, Advanced Instruments Calibration and Control Salt Solutions Factors of Uncertainty in the Certified Osmolality Value.

Approval

Tested By: Mark Hunter Approved By: Meredith Pesta

Mark Hunter 4/21/2023
 (Signature) (Date)

Meredith Pesta 4/24/2023
 (Signature) (Date)