

### Certificate of Analysis

Test Date:	9 April 2015	
Product:	Osmolality Linearity Set	
Part Number:	3LA028	
Lot Number:	31630	
Expiration Date:	2017-11	
<b>Product Data</b>		
Test Method	Analytical Result	Specification
100 Osmolality (Freezing Point Depression)	100 mOsm/kg H <sub>2</sub> O	100 ±2.0 mOsm/kg H <sub>2</sub> O
500 Osmolality (Freezing Point Depression)	499 mOsm/kg H <sub>2</sub> O	500 ±2.5 mOsm/kg H <sub>2</sub> O
900 Osmolality (Freezing Point Depression)	899 mOsm/kg H <sub>2</sub> O	900 ±4.5 mOsm/kg H <sub>2</sub> O
1500 Osmolality (Freezing Point Depression)	1499 mOsm/kg H <sub>2</sub> O	1500 ±7.5 mOsm/kg H <sub>2</sub> O
2000 Osmolality (Freezing Point Depression)	2002 mOsm/kg H <sub>2</sub> O	2000 ±10.0 mOsm/kg H <sub>2</sub> O
<p>The Quality Management System of Advanced Instruments, Inc. and its subsidiaries is certified according to the requirements of ISO 9001 and ISO 13485. The product defined herein has been manufactured in accordance with Quality System requirements and conforms to all specifications.</p>		
Analyst	Approver	
Printed Name: <u>MEREDITH PESTA</u>	Printed Name: <u>Mark Hunter</u>	
Signature: <u>Meredith Pesta</u>	Signature: <u>Mark Hunter</u>	

**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 <sub>2</sub> O	0501204	2015-05
500 mOsm/kg H <sub>2</sub> O	0901244	2015-09
900 mOsm/kg H <sub>2</sub> O	0901304	2015-09
1500 mOsm/kg H <sub>2</sub> O	0501214	2015-05
2000 mOsm/kg H <sub>2</sub> O	1001154	2015-10

Balances used to prepare these NIST standards have been calibrated with American Society for Testing and Materials (ASTM) class weights traceable to NIST.

*Note:* NIST standard formulation and balance calibration records are on file.

*Hazardous Information:* Refer to the Material Safety Data Sheet (MSDS).

*Statement of Uncertainty:* Refer to document DCN11-1283.

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