

## Certificate of Analysis

Product: Cal 2 Solution  
 Product Number: RD-943960D  
 Shelf Life: 2 Years  
 Storage Conditions: 18 – 25 ° C  
 Quantity: 1 X 140 mL


Parameter	Specified Range	Units
Appearance	<b>Clear, free of visible particulate matter</b>	
Sodium	<b>20.0 ± 2.0</b>	mmol/L
Potassium	<b>40.00 ± 1.00</b>	mmol/L
Chloride	<b>53 ± 2</b>	mmol/L
Calcium	<b>5.00 ± 0.6</b>	mmol/L
pH	<b>6.870 ± 0.10</b>	pH units

Details
Function: To provide calibration points for the Na+, K+, Ca++, Cl-, and pH electrodes on the Radiometer 600, 610, 620, 625 & EML 100 Analyzers.
Quality Specifications: Passed
Reagent Contents: An aqueous solution containing 20 mmol/L Na+, 40 mmol/L K+, 5 mmol/L Ca++, 52.7. mmol/L Cl-, buffer for a pH of 6.870 ± 0.010 @ 37c, surfactant and preservative.  For in vitro diagnostic use only.

### Traceability

Analyte	Standard	Test Method
Sodium	<b>NIST 919b</b>	IL 943 (Flame Photometry)
Potassium	<b>NIST 918b</b>	IL 943 (Flame Photometry)
Chloride	<b>NIST 919b</b>	Corning 925, SAT-500 Salt Analyzer (Titrimetric)
Calcium	<b>NIST 915b</b>	Roche 9180 (ISE)
pH	<b>NIST 2186i, 2186ii</b>	Siemens Blood Gas Analyzer (ISE)

Certified by:



Kathy Fisher  
 Director, Quality Assurance  
 Diamond Diagnostics Inc.