

# Certificate of Analysis

**Potassium Chloride, Saturated, approximately 4 Molar**

**Lot Number:** 4312E59

**Product Number:** 5900

**Manufacture Date:** DEC 14, 2023

**Expiration Date:** NOV 2025

All lots of this product are certified suitable for the following applications: 1. For refilling Calomel type Combination pH Reference Electrodes; 2. For refilling Calomel type pH Reference Half Cell Electrodes; 3. For refilling some brands of Silver/Silver Chloride Combination pH or pH Reference Half Cell Electrodes with a Silver Chloride Internal Reference that is sealed by an ion exchange barrier; 4. For use as an Ionic Strength Adjustor for some brands of Calcium Ion Selective Electrodes; 5. For refilling some brands of Single Junction Calcium, Single Junction Fluoride, and Combination Sodium Ion Selective Electrodes. This product can also be used for other applications where the concentration and matrix are appropriate.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed

Specification	Reference
Potassium Chloride Electrolyte	ASTM (D 664)
Potassium Chloride Electrolyte	ASTM (D 974)
Potassium Chloride Electrolyte	ASTM (D 3242)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
5900-1	4 L natural poly	24 months
5900-16	500 mL natural poly	24 months
5900-2.5	10 L Cubitainer®	24 months
5900-32	1 L natural poly	24 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)



Paul Brandon (12/14/2023)

Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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