

Certificate of Analysis

Potassium Chloride, 3 Molar, Filling Solution for ROSS pH Combination and Reference Electrodes

Lot Number: 16040026

Product Number: 5899

Manufacture Date: APR 02, 2026

Expiration Date: MAR 2028

All lots of this product are certified suitable for refilling ROSS® Type pH Combination Electrodes and ROSS® Type pH Reference 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
Assay (by Refractive Index)	2.93-3.07 Molar	2.99 Molar

Specification	Reference
Potassium Chloride, Aqueous (3.0 M)	ASTM (D 94 B)

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)
5899-16	500 mL natural poly	24 months

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



 Ernest Mahan (04/02/2026)
 Plant Manager

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