

Certificate of Analysis

Sulfate Standard Stock Solution, Alcoholic, 1000 ppm SO₄²⁻ in 30% (v/v) Alcohol

Lot Number: 2403G97

Product Number: 8111

Manufacture Date: MAR 12, 2024

Expiration Date: MAR 2025

The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is based upon the volumetric method of preparation.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Potassium Sulfate	7778-80-5	High Purity

Test	Specification	Result
Appearance	Colorless liquid	Passed
Sulfate (SO ₄)	995-1005 ppm	1000 ppm

Specification	Reference
Sulfate stock solution, alcoholic (0.181 g K ₂ SO ₄ in 100 mL alcohol (30 per cent v/v) R), for preparation of R 5002801	EP (N/A)

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)
8111-16	500 mL natural poly	12 months
8111-4	120 mL natural poly	12 months

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



Jose Pena (03/12/2024)

Operations Manager

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

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