

Product Specification

Sulfate Standard, 130 ppm SO₄ with Absorbance and Density testing

Lot Number: SAMPLE**Product Number:** R8110130**Manufacture Date:** N/A**Expiration Date:** N/A

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
Polystyrene Microspheres	9003-53-6	Reagent
Sodium Sulfate Anhydrous	7757-82-6	ACS

Test	Specification	Result	NIST SRM#
Absorbance at 500 nm	0.38-0.42 AU/cm	N/A	930
Appearance	Colorless liquid	N/A	
Assay (Calculated)	125-135 ppm SO ₄	N/A	
Density at 20°C	Actual Value Reported	N/A	
Density at 25°C	Actual Value Reported	N/A	
Specific Gravity at 20°C	Actual Value Reported	N/A	
Specific Gravity at 25°C	Actual Value Reported	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)
R8110130-250A	250 mL natural poly	18 months

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

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

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