

Certificate of Analysis

Potassium Iodate Volumetric Solution, 0.0500 Molar (M/20), 0.300 Normal

Lot Number: 2403L81

Product Number: 6277

Manufacture Date: MAR 28, 2024

Expiration Date: SEP 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodate	7758-05-6	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	0.04997-0.05003 M at 25°C	0.05003 M at 25°C	136

Specification	Reference
0.05 M Potassium iodate Volumetric Solution	EP (3005200)
Potassium Iodate, Twentieth-Molar (0.05 M) Volumetric Solution	USP (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)
6277-16	500 mL amber glass	18 months
6277-32	1 L amber glass	18 months

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



Jose Pena (03/28/2024)

Operations Manager

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

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