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Certificate of Analysis

Sodium Thiosulfate, 0.100 Normal (N/10)

 $\textbf{Lot Number: } 1403 F50 \qquad \qquad \textbf{Product Number: } 7950$

Manufacture Date: MAR 08, 2024

Expiration Date: FEB 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.

This product is specially formulated to increase its stability. A preservative is added to prevent bacterial contamination. However, all Sodium Thiosulfate solutions are subject to slow chemical deterioration and should be restandardized periodically.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Thiosulfate Pentahydrate	10102-17-7	ACS
Organic Preservative	Proprietary	
Sodium Carbonate	497-19-8	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Potassium Iodate/Starch)	0.0999-0.1001 N at 20°C	0.1001 N at 20°C	136

Specification	Reference
Sodium Thiosulfate Solution (0.1 N)	ASTM (D 3869 A)
Standard Sodium Thiosulfate, 0.1 N	APHA (4500-C1 B)
Sodium thiosulfate, 0.1 N	TAPPI (T 624 cm-85)
Sodium thiosulfate, 0.1 N	TAPPI (T 611 cm-97)
Standard Sodium Thiosulfate, 0.100 N	APHA (4500-ClO2 E)
Standard Sodium Thiosulfate Solution, 0.1 N	APHA (4500-C1 C)
Standard sodium thiosulfate titrant, 0.1 N	APHA (2350 E)
Sodium thiosulfate, 0.1 N	APHA (2320 B)
Sodium thiosulfate, 0.1 M	APHA (2310 B)
Sodium thiosulfate, 0.1 N	TAPPI (T 254 cm-85)
Sodium thiosulfate, 0.1 N	TAPPI (T 622 cm-84)
Sodium Thiosulfate, 0.1 N Volumetric Solution	ASTM (E 200)
Sodium thiosulfate, 0.1 N	TAPPI (T 610 sp-97)
Sodium Thiosulfate Solution, Standard (0.1 N)	ASTM (D 3703)
Sodium Thiosulfate, Standard Solution (0.1 N)	ASTM (D 1832)
Sodium Thiosulfate Solution, Standard (0.10 N)	ASTM (D 1291)
Sodium Thiosulfate, Standard Solution (0.1 M)	ASTM (D 1159)
Sodium Thiosulfate, 0.1 Normal Volumetric Solution	ACS (N/A)
0.1 M Sodium thiosulphate Volumetric Solution	EP (3007300)
Sodium Thiosulfate, 0.1 mol/L VS	JP (N/A)
Sodium Thiosulfate TS	USP (N/A)
Sodium Thiosulfate, Tenth-Normal (0.1 N) 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.

Version: 1.3 Lot Number: 1403F50 Product Number: 7950 Page 1 of 2

Part Number	Size / Package Type	Shelf Life (Unopened Container)
7950-1	4 L natural poly	24 months
7950-32	1 L natural poly	24 months
7950-4	120 mL natural poly	24 months
7950-5	20 L Cubitainer®	24 months

Recommended Storage: $15^{\circ}\text{C} - 30^{\circ}\text{C} (59^{\circ}\text{F} - 86^{\circ}\text{F})$

Heidi J Green (03/08/2024)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials $^{\rm --}$ Contents of Certificates and Labels."

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Version: 1.3 Lot Number: 1403F50 Product Number: 7950 Page 2 of 2