

# Certificate of Analysis

**Sodium Hydroxide-Thiosulfate, 50%-2.5% (w/v)**  
**for Kjeldahl Nitrogen Analysis using Copper Catalyst**

**Lot Number:** 1310N46

**Product Number:** 7495

**Manufacture Date:** OCT 11, 2023

**Expiration Date:** SEP 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Purified
Sodium Thiosulfate Pentahydrate	10102-17-7	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	2.4-2.6 % (w/v)	2.5 % (w/v)	136
Assay (vs. Sulfuric Acid/Phenolphthalein)	49.6-50.4 % (w/v)	50.1 % (w/v)	723

Specification	Reference
Sodium Hydroxide-Sodium Thiosulfate Solution	ASTM (D 3590 A)
Sodium Hydroxide-Sodium Thiosulfate Reagent	APHA (4500-Norg C)
Sodium Hydroxide-Sodium Thiosulfate Reagent	APHA (4500-Norg B)
Sodium Hydroxide-Sodium Thiosulfate Solution	EPA (351.3)

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)
7495-32	1 L natural poly	24 months

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



Heidi J Green (10/11/2023)

Operations Manager

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

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