

Certificate of Analysis

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

Lot Number: 4404K87

Product Number: 7495

Manufacture Date: APR 23, 2024

Expiration Date: APR 2026

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)	50.0 % (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)
7495-1	4 L natural poly	24 months
7495-5	20 L Cubitainer®	24 months

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



Paul Brandon (04/23/2024)
 Production Manager

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.