

Certificate of Analysis

**Sodium Hydroxide, 50% (w/w) (760 g/L), Purified Grade
 Nitrogen Free - Suitable for Kjeldahl Nitrogen Analysis**

Lot Number: 4312F99

Product Number: 7290

Manufacture Date: DEC 14, 2023

Expiration Date: AUG 2025

Name	CAS#	Grade
Water	7732-18-5	Purified
Sodium Hydroxide	1310-73-2	Purified

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Hydroxide Alkalinity as NaOH	min 49.5 % (w/w)	49.5 % (w/w)	
Iron (Fe)	max 0.0008 %	0.0008 %	3126
Sodium Carbonate (Na ₂ CO ₃)	max 0.4 %	0.4 %	
Sodium Chloride (NaCl)	max 2.20 %	2.20 %	
Total Alkalinity as Sodium Oxide (Na ₂ O)	min 38.30 % (w/w)	38.30 % (w/w)	

Specification	Reference
Sodium hydroxide solution, 50% by weight	TAPPI (T 418 cm-97)

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)
7290-16	500 mL natural poly	36 months

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



Paul Brandon (12/14/2023)

Production Manager

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

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