

# Certificate of Analysis

## Sodium Hydroxide, 10.0 Normal

**Lot Number:** 4401R81

**Product Number:** 7470

**Manufacture Date:** JAN 29, 2024

**Expiration Date:** JAN 2026

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Sulfuric Acid/Phenolphthalein)	9.95-10.05 N at 20°C	10.00 N at 20°C	723
Heavy Metals (as Pb)	max 10 ppm	< 10 ppm	
Iron (Fe)	max 5 ppm	< 5 ppm	3126

Specification	Reference
Sodium hydroxide Solution (400 g/L)	ASTM (D 3590 A)
Sodium Hydroxide Solution (400 g/L)	ASTM (D 1426 B)
Sodium Hydroxide, 10 N	APHA (4500-NH3 D)
Sodium Hydroxide, 10 N	APHA (4500-CN- L)
Sodium Hydroxide Stock Solution	APHA (4500-NO3- H)
Sodium Hydroxide, 10 N	APHA (7500-Ra D)
ISA Solution (10 M NaOH)	EPA (SW-846) (9213)
Sodium Hydroxide Solution (10 N)	EPA (SW-846) (3510C)
Sodium Hydroxide Solution (10 N)	EPA (SW-846) (3520C)
Sodium Hydroxide (10 N)	EPA (SW-846) (3650B)
Sodium Hydroxide Solution (10 N)	EPA (SW-846) (3535)
Sodium Hydroxide Solution (10 Molar)	EPA (SW-846) (3542)
Sodium Hydroxide, 10 N	EPA (350.3)
Sodium Hydroxide, 10 N	EPA (351.4)
Sodium Hydroxide Stock Solution (10 N)	EPA (353.1)
Sodium Hydroxide, 10 N	EPA (110.1)

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)
7470-1	4 L natural poly	24 months
7470-16	500 mL natural poly	24 months
7470-2.5	10 L Cubitainer®	24 months
7470-5	20 L Cubitainer®	24 months

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



Paul Brandon (01/29/2024)

Production Manager

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

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