

Product Specification

Sodium Hydroxide, 50% (w/v), Analytical Reagent Grade Suitable for Orsat Gas Analysis

Lot Number: SAMPLE

Product Number: 7283

Manufacture Date: N/A

Expiration Date: N/A

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

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Assay (vs. Sulfuric Acid/Phenolphthalein)	49.92-50.08 % (w/v)	N/A	723

Specification	Reference
Sodium hydroxide, approximately 12.5 N	TAPPI (T 504 cm-97)
Sodium Hydroxide (50% w/v)	EPA (SW-846) (9013)
Sodium Hydroxide Solution (50%)	EPA (SW-846) (9010B)
Sodium Hydroxide Solution (50%)	EPA (SW-846) (9012A)
Sodium Hydroxide (50% w/v in water)	EPA (SW-846) (9031)
Sodium Hydroxide Solution (50%)	EPA (SW-846) (9036)
Sodium Hydroxide Solution (50%)	EPA (SW-846) (9213)
Sodium Hydroxide Solution (50%)	EPA (375.2)

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)
7283-2.5	10 L Cubitainer®	36 months
7283-32	1 L natural poly	36 months
7283-5HP	20 L Ropak™	36 months
7283-5	20 L Cubitainer®	36 months
7283-1	4 L natural poly	36 months
7283-16	500 mL natural poly	36 months
7283-50	50 gal drum	36 months

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

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