

Product Specification

Sulfuric Acid, 4.00 Normal

Lot Number: SAMPLE

Product Number: 8322

Manufacture Date: N/A

Expiration Date: N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	3.999-4.001 N at 20°C	N/A	84

Specification	Reference
Sulfuric acid, 4.0 N	TAPPI (T 236 cm-85)
Sulfuric acid, 4 N	TAPPI (T 254 cm-85)

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)
8322-2.5	10 L Cubitainer®	36 months
8322-32	1 L natural poly	36 months
8322-5PT	2.5 L safety-coated glass	36 months
8322-5	20 L Cubitainer®	36 months
8322-1	4 L natural poly	36 months
8322-16	500 mL natural poly	36 months
8322-55	55 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."