

# Certificate of Analysis

## Copper Sulfate, 10% (w/v)

Lot Number: 2306H87

Product Number: 2320

Manufacture Date: JUN 23, 2023

Expiration Date: JUN 2025

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Copper Sulfate Pentahydrate	7758-99-8	ACS

Test	Specification	Result
Appearance	Blue liquid	Passed
Assay (by Refractive Index)	9.5-10.5 % (w/v)	10.0 % (w/v)

Specification	Reference
Copper sulfate solution	TAPPI (T 430 om-94)
Copper Sulfate Solution	EPA (420.3)
Copper Sulfate Solution	EPA (420.1)

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)
2320-1	4 L natural poly	24 months
2320-16	500 mL natural poly	24 months
2320-32	1 L natural poly	24 months

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

Sharon Travers (06/23/2023)

Operations Manager

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

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