

Product Specification

Copper Sulfate, 10% (w/v)

Lot Number: SAMPLE

Product Number: 2320

Manufacture Date: N/A

Expiration Date: N/A

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

| Test | Specification | Result |
|-----------------------------|------------------|--------|
| Appearance | Blue liquid | N/A |
| Assay (by Refractive Index) | 9.5-10.5 % (w/v) | N/A |

| 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) |
|-------------|---------------------|---------------------------------|
| 2320-32 | 1 L natural poly | 24 months |
| 2320-5 | 20 L Cubitainer® | 24 months |
| 2320-1 | 4 L natural poly | 24 months |
| 2320-16 | 500 mL natural poly | 24 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."