

# Product Specification

**Ferrous Ammonium Sulfate, 0.100 Normal (N/10), 0.100 Molar (M/10)**
**Lot Number:** SAMPLE

**Product Number:** 3145

**Manufacture Date:** N/A

**Expiration Date:** N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferrous Ammonium Sulfate Hexahydrate	7783-85-9	ACS
Sulfuric Acid	7664-93-9	ACS

Test	Specification	Result	NIST SRM#
Appearance	Light green liquid	N/A	
Assay (vs. Potassium Dichromate/Ferrouin)	0.0999-0.1001 N at 20°C	N/A	136

Specification	Reference
Ferrous Ammonium Sulfate Solution (0.10 N)	ASTM (D 1252 B)
Standard Ferrous Ammonium Sulfate Titrant (FAS)	APHA (5220 C)
Ferrous ammonium sulfate, 0.1 N	TAPPI (T 610 sp-97)
Ferrous Ammonium Sulfate, 0.1 Normal Volumetric Solution	ACS (N/A)

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)
3145-100	100 mL amber glass	12 months
3145-2.5	10 L Cubitainer®	3 months
3145-32	1 L amber glass	12 months
3145-5	20 L Cubitainer®	3 months
3145-1	4 L amber glass	12 months
3145-16	500 mL amber glass	12 months

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



Katie Schnur  
Quality Control Manager

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