

# Product Specification

## Ferric Chloride Oxidizing Solution, 1% (w/v), with 1.6% (w/v) Sulfamic Acid for Cyanide Determination

Lot Number: SAMPLE

Product Number: 3113

Manufacture Date: N/A

Expiration Date: N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfamic Acid	5329-14-6	ACS
Ferric Chloride Hexahydrate	10025-77-1	ACS

Test	Specification	Result
Appearance	Yellow-green liquid	N/A

Specification	Reference
Ferric Chloride Oxidizing Solution	APHA (4500-CN- B)
Ferric Chloride Oxidizing Solution	APHA (4500-CN- H)
Ferric chloride-sulphamic acid reagent R	EP (1037804)
Ferric Chloride Oxidizing Solution	ASTM (D 2036 X2)

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)
3113-32	1 L natural poly	24 months
3113-16	500 mL natural poly	24 months

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