

# Product Specification

**Color Reagent, for Nitrite Determination**  
**Sulfanilamide / N-(1-Naphthyl)ethylenediamine Dihydrochloride Solution****Lot Number:** SAMPLE**Product Number:** 2233.5**Manufacture Date:** N/A**Expiration Date:** N/A

This solution is stable for about one month according to APHA when stored in the refrigerator.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Phosphoric Acid	7664-38-2	ACS
N-(1-Naphthyl)ethylenediamine Dihydrochloride	1465-25-4	ACS
Sulfanilamide	63-74-1	Reagent

Test	Specification	Result
Appearance	Colorless to lightly tinted liquid	N/A
Suitability for Use	Red color with Nitrite	N/A

Specification	Reference
Color Reagent	APHA (4500-NO <sub>2</sub> - B)
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)
2233.5-32	1 L amber glass	8 weeks
2233.5-16	500 mL amber glass	8 weeks

**Recommended Storage:** 2°C - 8°C (36°F - 46°F)This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference  
Materials -- Contents of Certificates and Labels."