

# Product Specification

## Nitrite Nitrogen Standard, 1000 ppm N (3285 ppm NO<sub>2</sub>)

**Lot Number:** SAMPLE

**Product Number:** 5461

**Manufacture Date:** N/A

**Expiration Date:** N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Nitrite	7758-09-0	ACS
Chloroform	67-66-3	

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Assay (vs. Potassium Permanganate)	995-1005 ppm N	N/A	40

Specification	Reference
Nitrite Solution, Stock (1.0 mL = 1.0 mg NO <sub>2</sub> -N)	ASTM (D 3867 A)
Nitrite Solution, Stock (1.0 mL = 1.0 mg NO <sub>2</sub> -N)	ASTM (D 3867 B)
Stock Nitrite Solution: 1 mL = 1.0 mg NO <sub>2</sub> -N	EPA (353.2)
Stock Nitrite Solution: 1.0 mL = 1.00 mg NO <sub>2</sub> ?N	EPA (353.3)

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)
5461-4	120 mL natural poly	6 months
5461-16	500 mL natural poly	6 months

**Recommended Storage:** 2°C - 8°C (36°F - 46°F)



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