

# Product Specification

## Buffer Solution, for Nitrate Determination using Ion Selective Electrode

Lot Number: SAMPLE

Product Number: 1473

Manufacture Date: N/A

Expiration Date: N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Aluminum Sulfate Hydrate	7784-31-8	ACS
Boric Acid	10043-35-3	NF
Silver Sulfate	10294-26-5	ACS
Sulfamic Acid	5329-14-6	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
pH at 25°C	2.98-3.02	N/A	185 & 186

Specification	Reference
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Buffer Solution

APHA (4500-NO<sub>3</sub>- D)

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)
1473-32	1 L amber glass	12 months
1473-1	4 L amber glass	12 months
1473-16	500 mL amber glass	12 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."