

# Product Specification

## Boric Acid, 4% (w/v)

**Lot Number:** SAMPLE

**Product Number:** 1068

**Manufacture Date:** N/A

**Expiration Date:** N/A

Certified to be Ammonia Nitrogen-free and suitable as the Ammonia Absorbent Solution to collect the Ammonia Distillate in Kjeldahl Nitrogen determinations where this concentration of Boric Acid in water is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Boric Acid	10043-35-3	NF

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	3.94-4.06 % (w/v)	N/A	84

Specification	Reference
Boric Acid Solution (40 g/L)	ASTM (D 3228)

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)
1068-32	1 L natural poly	24 months
1068-5	20 L Cubitainer®	24 months
1068-1	4 L natural poly	24 months
1068-16	500 mL natural poly	24 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."