

# Certificate of Analysis

## Boric Acid, 4% (w/v), with Bromocresol Green-Methyl Red Indicator for Kjeldahl Nitrogen Analysis

**Lot Number:** 4401R02**Product Number:** 1070**Manufacture Date:** JAN 25, 2024**Expiration Date:** JUL 2025

Suitable for use as an Ammonia Absorbent Solution to collect the Ammonia Distillate in Kjeldahl Nitrogen determinations, Including those made with Tecator Kjeltec equipment, where this concentration of Boric Acid with indicator in water is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Boric Acid	10043-35-3	ACS
Bromocresol Green, Sodium Salt	62625-32-5	ACS
Methyl Red, Sodium Salt	845-10-3	ACS

Test	Specification	Result
Appearance	Red-orange liquid	Passed
Suitability for Use	Green (Basic) - Grey (Neutral) - Red (Acidic)	Passed

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)
1070-1	4 L natural poly	18 months
1070-2.5	10 L Cubitainer®	18 months
1070-32	1 L natural poly	18 months
1070-5	20 L Cubitainer®	18 months

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

Paul Brandon (01/25/2024)

Production Manager

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

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