

Certificate of Analysis

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

Lot Number: 26031694

Product Number: 1070

Manufacture Date: MAR 31, 2026

Expiration Date: SEP 2027

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 |

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



William Creese (03/31/2026)
Plant Manager

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