

Certificate of Analysis

Brucine-Sulfanilic Acid Solution, for Nitrate Analysis

Lot Number: 4401R01

Product Number: 1420

Manufacture Date: JAN 25, 2024

Expiration Date: JAN 2025

| Name | CAS# | Grade |
|------------------------------|-----------|-----------------|
| Water | 7732-18-5 | ACS/ASTM/USP/EP |
| Hydrochloric Acid | 7647-01-0 | ACS |
| Brucine Sulfate Heptahydrate | 5787-00-8 | ACS |
| Sulfanilic Acid | 121-57-3 | ACS |

| Test | Specification | Result |
|------------|--------------------------------|--------|
| Appearance | Colorless to light pink liquid | Passed |

| Specification | Reference |
|----------------------------------|--------------|
| Brucine-Sulfanilic Acid Solution | APHA (419 D) |
| Brucine-Sulfanilic Acid Reagent | EPA (352.1) |

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) |
|-------------|---------------------|---------------------------------|
| 1420-16 | 500 mL amber glass | 12 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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