

Certificate of Analysis

Bromophenol Blue Indicator, 0.1% (w/v)

Lot Number: 1304N88

Product Number: 1353

Manufacture Date: APR 20, 2023

Expiration Date: APR 2025

| Name | CAS# | Grade |
|-------------------------------|------------|-----------------|
| Water | 7732-18-5 | ACS/ASTM/USP/EP |
| Bromophenol Blue, Sodium Salt | 62625-28-9 | ACS |

| Test | Specification | Result |
|---------------------|--|--------|
| Appearance | Dark reddish-purple liquid | Passed |
| Suitability for Use | Yellow (pH < 3.0) - Green (pH 3.4 to 3.7) - Blue (pH >4.6) | Passed |

| Specification | Reference |
|---|---------------------|
| Bromophenol Blue Indicator Solution (1 g/L) | ASTM (D 3869 B) |
| Bromophenol blue indicator solution, pH 3.7 indicator | APHA (2310 B) |
| Bromophenol blue indicator | TAPPI (T 249 cm-85) |
| Bromophenol blue, aqueous | TAPPI (T 610 sp-97) |
| Bromophenol Blue Indicator Reagent Solution | ACS (N/A) |

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) |
|-------------|---------------------|---------------------------------|
| 1353-32 | 1 L natural poly | 24 months |
| 1353-4 | 120 mL natural poly | 24 months |

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



Heidi J Green (04/20/2023)

Operations Manager

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

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