

Certificate of Analysis

Bromophenol Blue Indicator, 0.1% (w/v)

Lot Number: 1411D89

Product Number: 1353

Manufacture Date: NOV 06, 2024

Expiration Date: OCT 2026

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

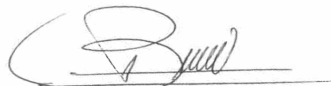
| Test | Specification | Result |
|---------------------|--|--------|
| Appearance | Dark reddish-purple liquid | Passed |
| Suitability for Use | Yellow (pH < 3.0) - Green (pH 3.4 to 3.7) - Blue (pH >4.6) | Passed |

| Specification | Reference |
|--|---------------------|
| Bromophenol Blue Indicator Solution (1 g/L) | ASTM (D 3869 B) |
| Bromphenol 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) |
| Bromphenol 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) |
|-------------|---------------------|---------------------------------|
| 1353-16 | 500 mL natural poly | 24 months |
| 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)



Luis Briceno (11/06/2024)
 Operations Supervisor

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