

Certificate of Analysis

**Bromothymol Blue Indicator, 0.04% (w/v)
for Glassware Residue Detection****Lot Number:** 4403S12**Product Number:** 1375**Manufacture Date:** MAR 29, 2024**Expiration Date:** MAR 2026

This full strength indicator solution can be used to check for equipment cleanliness by streaking directly on cleaned, rinsed equipment. Yellow color indicates acidic cleaning agents still present; blue color indicates basic cleaning agents still present.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromothymol Blue Sodium Salt	34722-90-2	ACS

Test	Specification	Result	NIST SRM#
Appearance	Dark colored liquid	Passed	
pH at 25°C (Method: SQCP027, SQCP033)	6.7-6.9	6.7	185i, 186-I-g, 186-II-g
Suitability for Use	Yellow (pH < 6.0) - Green (pH 6.7) - Blue (pH > 7.6)	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)
1375-16	500 mL natural poly	24 months
1375-32	1 L natural poly	24 months

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

Paul Brandon (03/29/2024)

Production Manager

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

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