

# Certificate of Analysis

## Methyl Red-Methylene Blue TS, Alcoholic Mixed Indicator

**Lot Number:** 1311G86

**Product Number:** 5090

**Manufacture Date:** NOV 22, 2023

**Expiration Date:** MAY 2025

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Methyl Red	493-52-7	ACS
Methylene Blue Trihydrate	7220-79-3	Certified

Test	Specification	Result
Appearance	Dark green liquid	Passed
Suitability for Use	Red-Violet (pH < 5.2) - Green (pH > 5.6)	Passed

Specification	Reference
Methyl Red-Methylene Blue TS	USP (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)
5090-16	500 mL natural poly	18 months

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



Heidi J Green (11/22/2023)

Operations Manager

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

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