

# Product Specification

## Methyl Orange Solution R, EP Reagent 1054802

**Lot Number:** SAMPLE

**Product Number:** R5001000

**Manufacture Date:** N/A

**Expiration Date:** N/A

The substitution of Reagent Alcohol in place of the Ethanol specified by EP for this formulation will not interfere with the intended use of this product. Reagent Alcohol consists of 90% Ethyl Alcohol, 5% Methyl Alcohol, and 5% Isopropyl Alcohol.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethyl Alcohol	64-17-5	ACS
Methyl Orange, Sodium Salt	547-58-0	ACS
Methyl Alcohol	67-56-1	ACS
Isopropyl Alcohol	67-63-0	ACS

Test	Specification	Result
Appearance	Orange liquid	N/A
Suitability for Use	Red (pH < 3.0) - Yellow (pH > 4.4)	N/A

Specification	Reference
Methyl Orange Solution R	EP (1054802)

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)
R5001000-500A	500 mL natural poly	12 months

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

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