

# Product Specification

## Methyl Orange Indicator, 0.1% (w/v)

**Lot Number:** SAMPLE

**Product Number:** 5000

**Manufacture Date:** N/A

**Expiration Date:** N/A

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Orange, Sodium Salt	547-58-0	ACS

Test	Specification	Result
Appearance	Orange liquid	N/A
Suitability for Use	Yellow (pH >4.4) - Pinkish-Orange (pH 3.2) - Pink (pH <3.0)	N/A

Specification	Reference
Methyl orange indicator solution	TAPPI (T 635 om-93)
Methyl orange indicator	TAPPI (T 624 cm-85)
Methyl orange indicator	TAPPI (T 625 cm-85)
Methyl orange indicator	TAPPI (T 632 cm-84)
Methyl Orange Indicator Solution	APHA (7500-Ra D)
Methyl orange indicator	TAPPI (T 611 cm-97)
Methyl orange	TAPPI (T 610 sp-97)
Methyl orange indicator	TAPPI (T 408 cm-97)
Methyl Orange Indicator Solution (1 g/L)	ASTM (D 1093)
Methyl Orange Indicator Solution	ASTM (D 974)
Methyl Orange Indicator Solution	ASTM (D 3712)
Methyl Orange Indicator Solution	ASTM (D 2460)
Methyl Orange Indicator Solution (1 g/L)	ASTM (E 200)
Methyl Orange Indicator Reagent Solution	ACS (N/A)
Methyl Orange 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)
5000-4	120 mL natural poly	24 months
5000-32	1 L natural poly	24 months
5000-5	20 L Cubitainer®	24 months
5000-8	250 mL natural poly	24 months
5000-1	4 L natural poly	24 months
5000-16	500 mL natural poly	24 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."