

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-11 12:00:11

Date of Next Testing: 2029-06-10 12:00:11

Product Name: **Methyl red (C.I. 13020)**

CAS Number: 493-52-7

Specifications & Purity: Ph.Eur., ACS, indicator

Lot #: F2610316

SKU #: **M432753**

Version: **1**

Analysis #: **715974**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point (capillary method, temperature measurement in the heating block)	179-182 (°C)	179.00000 °C
Absorption maximum(buffer pH 4.5)	523-526 (nm)	525.00000 nm
Absorption maximum(buffer pH 6.2)	427-437 (nm)	430.00000 nm
Spec. Absorptivity A 1%/1cm (λ_{max} :0.005 g/l; buffer pH 4.5; calculated on anhydrous substance)	1350-1500	1452.00000
Spec. Absorptivity A 1%/1cm (λ_{max} : 0.005 g/l; buffer pH 6.2; calculated on anhydrous substance)	700-800	755.00000
Loss on drying(110°C)	0-5 (%)	0.50000 %
Appearance(M432753)	Red to dark red to maroon to purple powder or crystalline powder	Red to dark red to maroon to purple powder or crystalline powder
Clarity of solution (1 g/l; ethanol)	passes test	Passes test
Transition range(pH 4.4 (Red)-pH 6.0 (yellow))	pass	Pass
Transition range (according to ACS)	passes test	Passes test



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager