

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-19 08:33:46  
Date of Next Testing: 2028-04-18 08:33:46  
Product Name: **Methyl orange (C.I. 13025)**  
CAS Number: 547-58-0  
Specifications & Purity: indicator, ACS, Ph.Eur.  
Lot #: D2517681  
SKU #: **M432889**  
Version: **1**  
Analysis #: **492895**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Absorption maximum $\lambda_{1\max}$ (buffer pH 3.1)	501-505 (nm)	503.00000 nm
Absorption maximum $\lambda_{2\max}$ (buffer pH 4.4)	466-471 (nm)	468.00000 nm
Spec. Absorptivity A 1%/1cm ( 501-505nm ; 0.01g/L ; buffer pH 3.1 ; calc. on dried substances)	1000-1150	1050.49505
Spec. Absorptivity A 1%/1cm ( 466-471nm ; 0.01g/L ; buffer pH 4.4 ; calc. on dried substances)	730-850	762.37624
Loss on drying(110°C)	0-5 (%)	4.95 %
Clarity of solution(1g/L water)	Pass	Pass
Transition range: pH 3.1(pink) - pH 4.4(orange yellow)	Confirmed	Confirmed



John Su  
QA & QC Manager