

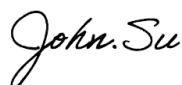
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-04-19 08:30:40
Date of Next Testing:	2028-04-18 08:30:40
Product Name:	Methyl orange (C.I. 13025)
CAS Number:	547-58-0
Specifications & Purity:	indicator, ACS, Ph.Eur.
Lot #:	D2517672
SKU #	M432889
Version	1
Analysis #:	492895
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Absorption maximum λ_{1max} (buffer pH 3.1)	501-505 (nm)	503.00000 nm
Absorption maximum λ_{2max} (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