

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-05 16:43:21

Date of Next Testing: 2029-05-04 16:43:21

Product Name: **Reactive Orange 16**

CAS Number: 12225-83-1

Specifications & Purity: Dye content $\geq 70\%$

Lot #: D2630456

SKU #: **R348553**

Version: **1**

Analysis #: **696880**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Extinction	≥ 11000	15103.00000
Coefficient(λ :491 - 497 nm , c = 0.01g/L Water)		
Extinction	≥ 6000	7968.00000
Coefficient(λ :385 - 391nm)		
Extinction	≥ 11000	13224.00000
Coefficient(λ :294 - 300nm)		
Extinction	≥ 13000	14086.00000
Coefficient(λ :251 - 257nm)		
Purity(HPLC)	70-100 (%)	78.00000 %
Appearance (R348553)	Orange to Very Dark Orange and Red to Very Dark Red and Orange-Red and Red-Orange Powder	Orange to Very Dark Orange and Red to Very Dark Red and Orange-Red and Red-Orange Powder
Proton NMR spectrum	Conforms to structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager