

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-20 12:09:20
 Date of Next Testing: 2025-03-19 12:09:20
 Product Name: **Reactive Orange 16**
 CAS Number: 12225-83-1
 Specifications & Purity: Dye content $\geq 70\%$
 Lot #: C2215611
 SKU #: **R348553**
Analysis: **076601**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Extinction	≥ 11000	16700.00000
Coefficient(λ :491 - 497 nm , c = 0.01g/L Water)		
Extinction	≥ 6000	10129.00000
Coefficient(λ :385 - 391nm)		
Extinction	≥ 11000	16141.00000
Coefficient(λ :294 - 300nm)		
Extinction	≥ 13000	17693.00000
Coefficient(λ :251 - 257nm)		
Purity(HPLC)	70-100 (%)	80.00000 %
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



John Su
QA & QC Manager