

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-05-05 17:27:07
Date of Next Testing:	2026-05-04 17:27:07
Product Name:	<b>Reactive Orange 16</b>
CAS Number:	12225-83-1
Specifications & Purity:	Dye content $\geq 70\%$
Lot #:	D23261143
SKU #	<b>R348553</b>
<b>Analysis:</b>	<b>076601</b>
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Extinction	$\geq 11000$	16700.00000
Coefficient( $\lambda$ :491 - 497 nm , c = 0.01g/L Water)		
Extinction	$\geq 6000$	10129.00000
Coefficient( $\lambda$ :385 - 391nm)		
Extinction	$\geq 11000$	16141.00000
Coefficient( $\lambda$ :294 - 300nm)		
Extinction	$\geq 13000$	17693.00000
Coefficient( $\lambda$ :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