

Certificate of Analysis

Date of Testing: 2023-08-16 09:31:46
Date of Next Testing: 2026-08-15 09:31:46
Product Name: **Reactive Orange 16**
CAS Number: 12225-83-1
Specifications & Purity: Dye content $\geq 70\%$
Lot #: G2327297
SKU #: **R348553**
Analysis: **254117**
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



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