

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-19 11:20:52
 Date of Next Testing: 2029-06-18 11:20:52
 Product Name: **Alizarin(1,2-DHAQ)**
 CAS Number: 72-48-0
 Specifications & Purity: $\geq 97\%$
 Lot #: F2510219
 SKU #: **A110681**
 Version: **0**
 Analysis #: **249316**
 Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Carbon by Elemental Analysis	67.6-72.5 (%)	67.87800 %
Dye content(HPLC)	97-100 (%)	98.23000 %
Extinction Coefficient(λ :564 - 570 nm)	≥ 12000	15649.00000
Extinction Coefficient(λ :268 - 274 nm)	≥ 26000	34282.00000
Extinction Coefficient(λ :606 - 612 nm)	≥ 11000	13526.00000
Extinction Coefficient(λ :227 - 233 nm)	≥ 13000	19683.00000
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1N NH ₄ OH , Clear to Turbid,Purple to Dark Purple,c = 1 mg/ml	pass	Pass
Visual Interval,pH 5.5 = Yellow	Pass	Pass
Visual Interval,pH 6.8 = Red	Conforms	Conforms



John Su
QA & QC Manager