

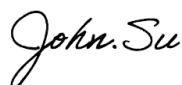
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-20 14:54:38
Date of Next Testing: 2029-06-19 14:54:38
Product Name: **Alizarin**
CAS Number: 72-48-0
Specifications & Purity: $\geq 97\%$
Lot #: F2519785
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 (%)	67.88 %
Dye content(HPLC)	97-100 (%)	98.23 %
Extinction Coefficient(λ :564 - 570 nm)	≥ 12000	15649.00
Extinction Coefficient(λ :268 - 274 nm)	≥ 26000	34282.00
Extinction Coefficient(λ :606 - 612 nm)	≥ 11000	13526.00
Extinction Coefficient(λ :227 - 233 nm)	≥ 13000	19683.00
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