

Certificate of Analysis

Date of Testing: 2025-03-12 16:13:05

Date of Next Testing: 2029-03-11 16:13:05

Product Name: **Alizarin**

CAS Number: 72-48-0

Specifications & Purity: $\geq 97\%$

Lot #: F2102091

SKU #: **A110681**

Version: **0**

Analysis #: **479015**

Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Carbon by Elemental Analysis	67.6-72.5 (%)	68.30 %
Dye content(HPLC)	97-100 (%)	98.30 %
Extinction Coefficient(λ :564 - 570 nm)	≥ 12000	17804.00
Extinction Coefficient(λ :268 - 274 nm)	≥ 26000	34901.00
Extinction Coefficient(λ :606 - 612 nm)	≥ 11000	15660.90
Extinction Coefficient(λ :227 - 233 nm)	≥ 13000	18910.80
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