

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-01 16:50:54

Date of Next Testing: 2027-02-28 16:50:54

Product Name: **Alizarin complexone**

CAS Number: 3952-78-1

Specifications & Purity: indicator

Lot #: B2324357

SKU #: **A108723**

Version: **0**

Analysis #: **056141**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Hydrogen by Elemental Analysis	3.5-4.86 (%)	3.68100 %
Purity(HPLC)	90-100 (%)	95.21100 %
Nitrogen by Elemental Analysis	2.95-3.7 (%)	3.18000 %
Carbon by Elemental Analysis	47.97-59.5 (%)	58.70000 %
Appearance (A108723)	Yellow to Orange to Brown Powder or Crystals	Yellow to Orange to Brown Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 10% NH ₄ OH , Violet to very deep violet, 1mg/ml	Violet to very deep violet, 1mg/ml	Violet to very deep violet, 1mg/ml



John Su
QA & QC Manager