

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-27 10:32:56

Date of Next Testing: 2027-07-26 10:32:56

Product Name: **Alizarin complexone**

CAS Number: 3952-78-1

Specifications & Purity: indicator

Lot #: G2320296

SKU #: **A108723**

Version: **0**

Analysis #: **244490**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Hydrogen by Elemental Analysis	3.5-4.86 (%)	3.79200 %
Purity(HPLC)	90-100 (%)	94.14900 %
Nitrogen by Elemental Analysis	2.95-3.7 (%)	3.03300 %
Carbon by Elemental Analysis	47.97-59.5 (%)	50.84900 %
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