

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-21 20:48:42

Date of Next Testing: 2027-02-20 20:48:42

Product Name: **Alizarin complexone**

CAS Number: 3952-78-1

Specifications & Purity: high-purity, ≥98%

Lot #: B2318659

SKU #: **A108722**

Version: **2**

Analysis #: **176983**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis (anhydrous)	3.2-4 (%)	3.40400 %
Loss on drying	0-10 (%)	7.24571 %
Purity(HPLC)	98-100 (%)	99.22800 %
Carbon by Elemental Analysis(anhydrous)	57.7-60.7 (%)	58.41000 %
Appearance (A108722)	Yellow to Orange to Brown Powder or Crystals	Yellow to Orange to Brown Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1M NaOH , Blue to Purple,10 mg/mL	Blue to Purple,10 mg/mL	Blue to Purple,10 mg/mL
Carbon NMR Spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager