

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-18 17:17:21

Date of Next Testing: 2026-10-17 17:17:21

Product Name: **Amaranth**

CAS Number: 915-67-3

Specifications & Purity: $\geq 85\%$

Lot #: J2215099

SKU #: **A109284**

Version: **2**

Analysis #: **114223**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Insoluble matter in H ₂ O	0-0.3 (%)	0.21900 %
Heavy metal (as Pb)	0-0.001 (%)	0.00062 %
(As)Arsenic	0-0.0001 (%)	0.00007 %
Loss on drying	0-15 (%)	11.92000 %
Subsidiary dyes	0-3 (%)	2.26000 %
Dye-content(UV-Vis)	85-100 (%)	99.70800 %
Appearance (A109284)	dark brown to red-brown powder	dark brown to red-brown powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager