

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-18 16:55:20  
Date of Next Testing: 2026-10-17 16:55:20  
Product Name: **Amaranth**  
CAS Number: 915-67-3  
Specifications & Purity: 85%  
Lot #: J2215182  
SKU #: **A109284**  
**Analysis:** **114223**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Insoluble matter in H2O	0-0.3 (%)	0.22 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Loss on drying	0-15 (%)	11.92 %
Subsidiary dyes	0-3 (%)	2.26 %
Dye-content(UV-Vis)	85-100 (%)	99.71 %
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