

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-06-24 16:58:02
 Date of Next Testing: 2025-06-23 16:58:02
 Product Name: **Amaranth**
 CAS Number: 915-67-3
 Specifications & Purity: $\geq 85\%$
 Lot #: F2116272
 SKU #: **A109284**
 Version: **2**
 Analysis #: **020096**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Insoluble matter in H ₂ O	0-0.3 (%)	0.04100 %
Heavy metal (as Pb)	0-0.001 (%)	0.00000 %
(As)Arsenic	0-0.0001 (%)	0.00000 %
Loss on drying	0-15 (%)	10.30000 %
Subsidiary dyes	0-3 (%)	2.11000 %
Dye-content(UV-Vis)	85-100 (%)	99.50500 %
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