

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-14 17:22:55
Date of Next Testing: 2027-02-13 17:22:55
Product Name: **Amaranth**
CAS Number: 915-67-3
Specifications & Purity: $\geq 85\%$
Lot #: B2306796
SKU #: **A109284**
Version: **2**
Analysis #: **020096**
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Insoluble matter in H ₂ O	0-0.3 (%)	0.04 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
(As)Arsenic	0-0.0001 (%)	0.00 %
Loss on drying	0-15 (%)	10.30 %
Subsidiary dyes	0-3 (%)	2.11 %
Dye-content(UV-Vis)	85-100 (%)	99.50 %
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