

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-14 15:08:07

Date of Next Testing: 2027-01-13 15:08:07

Product Name: **Amaranth**

CAS Number: 915-67-3

Specifications & Purity: $\geq 85\%$

Lot #: A2310089

SKU #: **A109284**

Version: **2**

Analysis #: **168728**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Loss on drying	0-9.4 (%)	3.25000 %
Dye-content(UV-Vis)	85-100 (%)	85.02000 %
Nitrogen(anhydrous)	3.9-4.6 (%)	4.55600 %
Appearance (A109284)	dark brown to red-brown powder	dark brown to red-brown powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility(10 mg/mL, H ₂ O, Clear)	pass	Pass



John Su
QA & QC Manager