

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-06-25 09:25:31

Date of Next Testing: 2025-06-24 09:25:31

Product Name: **Amaranth**

CAS Number: 915-67-3

Specifications & Purity:  $\geq 85\%$

Lot #: F2116271

SKU #: **A109284**

Version: **2**

Analysis #: **020096**

Storage Temperature: Protected from light, Room temperature

| Parameter                            | Limit Values                   | Result                         |
|--------------------------------------|--------------------------------|--------------------------------|
| Insoluble matter in H <sub>2</sub> 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          |



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QA & QC Manager