



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-19 10:47:32

Date of Next Testing: 2028-04-18 10:47:32

Product Name: **Carminic Acid**

CAS Number: 1260-17-9

Specifications & Purity: $\geq 80\%$, Natural dye

Lot #: D2507414

SKU #: **C302310**

Version: **1**

Analysis #: **488689**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Purity(NMR)	80-100 (%)	84.00000 %
Absorbance(E1%1cm)(0.1mol/L HCl, 490.0 to 496.0 nm)(calcd.on dried substance)	≥ 120	151.00000
Drying loss	≤ 10 (%)	3.60000 %
Appearance(C302310)	Orange to Brown to Dark red powder to crystal	Orange to Brown to Dark red powder to crystal

John Su
QA & QC Manager