

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-17 15:32:04

Date of Next Testing: 2026-03-16 15:32:04

Product Name: **Carminic Acid**

CAS Number: 1260-17-9

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

Lot #: C23101087

SKU #: **C302310**

Version: **1**

Analysis #: **186002**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Purity(NMR)	80-100 (%)	84.80000 %
Absorbance(E1%1cm)(0.1mol/L HCl, 490.0 to 496.0 nm)(calcd.on dried substance)	≥ 120	159.00000
Drying loss	≤ 10 (%)	5.40000 %
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