

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2026-06-08 09:16:10

Date of Next Testing: 2029-06-07 09:16:10

Product Name: **Carminic Acid (Natural dye)**

CAS Number: 1260-17-9

Specifications & Purity:  $\geq 80\%$

Lot #: F2605010

SKU #: **V31510**

Version: **0**

Analysis #: **721777**

Storage Temperature: Room temperature, Desiccated

| Parameter                                                                     | Limit Values                                  | Result                                        |
|-------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(NMR)                                                                   | 80-100 (%)                                    | 84.10 %                                       |
| Absorbance(E1%1cm)(0.1mol/L HCl, 490.0 to 496.0 nm)(calcd.on dried substance) | $\geq 120$                                    | 151.00000                                     |
| Drying loss                                                                   | $\leq 10$ (%)                                 | 3.80000 %                                     |
| Appearance(V31510)                                                            | Orange to Brown to Dark red powder to crystal | Orange to Brown to Dark red powder to crystal |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

