

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-25 14:11:36  
 Date of Next Testing: 2027-08-25 14:11:36  
 Product Name: **Canthaxanthin(E 161g)**  
 CAS Number: 514-78-3  
 Specifications & Purity: Moligand™, ≥95%(HPLC)  
 Lot #: H2515246  
 SKU #: **A299058**  
 Version: **0**  
 Analysis #: **564301**  
 Storage Temperature: Store at -20°C, Argon charged

| Parameter                                       | Limit Values                                    | Result                                          |
|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Purity(HPLC)                                    | 95-100 (%)                                      | 98.71160 %                                      |
| Appearance (A299058)                            | Yellow, Brown to Very Dark Brown and Red Powder | Yellow, Brown to Very Dark Brown and Red Powder |
| LC-MS Test                                      | Pass                                            | Pass                                            |
| Proton NMR spectrum                             | Conforms to Structure                           | Conforms to Structure                           |
| UV Absorbance( $\lambda_{max}$ )                | 465±5 nm                                        | 465±5 nm                                        |
| $\lambda$ , in hexane (with 2% dichloromethane) | Pass                                            | Pass                                            |



John Su  
QA & QC Manager