

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-28 09:21:12  
Date of Next Testing: 2028-04-17 09:21:12  
Product Name: **Carnosic acid**  
CAS Number: 3650-09-7  
Specifications & Purity: analytical standard,  $\geq 97\%$   
Lot #: D2622064  
SKU #: **C117958**  
Version: **0**  
Analysis #: **698788**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter  | Limit Values                       | Result                             |
|--|------------------------------------|------------------------------------|
| Purity(HPLC)   | 97-100 (%)                         | 98.26400 %                         |
| Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in MeOH})$ | 182-195 ( $^{\circ}$ )             | 183.59800 $^{\circ}$               |
| Appearance (C117958)                                     | Light Yellow to Dark Yellow Powder | Light Yellow to Dark Yellow Powder |
| Proton NMR spectrum                                      | Conforms to Structure              | Conforms to Structure              |



John Su  
QA & QC Manager