

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-04 15:54:59  
Date of Next Testing: 2025-07-24 15:54:59  
Product Name: **Carnosic acid**  
CAS Number: 3650-09-7  
Specifications & Purity: analytical standard, ≥97%  
Lot #: K2113415  
SKU #: **C117958**  
**Analysis:** **260273**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.36600 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in MeOH)	182-195 (°)	187.30 °
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