

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-22 18:29:56  
 Date of Next Testing: 2026-03-21 18:29:56  
 Product Name: **Arbutin**  
 CAS Number: 497-76-7  
 Specifications & Purity: Moligand™, ≥98%  
 Lot #: C2219103  
 SKU #: **A106856**  
 Version: **0**  
 Analysis #: **078016**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                               | Limit Values              | Result                    |
|-----------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Melting point                                                                           | 197-202 (°C)              | 201.51000 °C              |
| Water by Karl Fischer                                                                   | 0-3 (%)                   | 0.44360 %                 |
| Purity(HPLC)                                                                            | 98-100 (%)                | 98.94800 %                |
| Specific Rotation [α] <sub>20/D</sub> (c=4 in H <sub>2</sub> O)(calcd.on anh.substance) | -68--63 (°)               | -63.15800 °               |
| Appearance (A106856)                                                                    | White to Off-White Powder | White to Off-White Powder |
| Solubility in H <sub>2</sub> O , Colorless to Yellow, Clear to Slightly Hazy(50mg/ml)   | pass                      | Pass                      |
| Infrared spectrum                                                                       | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager