

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-20 10:40:14  
 Date of Next Testing: 2027-10-20 10:40:14  
 Product Name: **N-Acetyl-D-penicillamine**  
 CAS Number: 15537-71-0  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: J2516013  
 SKU #: **N140020**  
 Version: **0**  
 Analysis #: **546724**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                                                | Limit Values                    | Result                          |
|----------------------------------------------------------|---------------------------------|---------------------------------|
| Melting point                                            | 185-190 ( $^{\circ}\text{C}$ )  | 185.70000 $^{\circ}\text{C}$    |
| Purity(HPLC)                                             | 98-100 (%)                      | 98.30000 %                      |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$ | 8-12 ( $^{\circ}$ )             | 11.90000 $^{\circ}$             |
| Appearance (n140020)                                     | white crystal or crystal powder | white crystal or crystal powder |
| Proton NMR spectrum                                      | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager