

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-24 16:30:27

Date of Next Testing: 2025-04-23 16:30:27

Product Name: **Probenecid**

CAS Number: 57-66-9

Specifications & Purity:  $\geq 98\%$ 

Lot #: D2321340

SKU #: **P129440****Analysis:** **098130**Storage Temperature: Store at  $-20^{\circ}\text{C}$ 

| Parameter   | Limit Values                   | Result                       |
|---|--------------------------------|------------------------------|
| Melting point   | 198-202 ( $^{\circ}\text{C}$ ) | 199.57000 $^{\circ}\text{C}$ |
| Purity(HPLC)  | 98-100 (%)                     | 99.72700 %                   |
| Purity(Neutralization titration)                      | 98-100 (%)                     | 98.67 %                      |
| Appearance (P129440)                                  | White to Off-White Powder      | White to Off-White Powder    |
| Proton NMR spectrum                                   | Conforms to Structure          | Conforms to Structure        |
| Solubility in 1 M NaOH , Colorless Clear at 100 mg/ml | pass                           | Pass                         |

John Su  
QA & QC Manager