

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-09 15:44:01

Date of Next Testing: 2026-12-08 15:44:01

Product Name: **trans-4-Hydroxy-D-proline hydrochloride**

CAS Number: 142347-81-7

Specifications & Purity: 97%

Lot #: L2206090

SKU # **R174124**

**Analysis:** **165899**

Storage Temperature: Room temperature

| Parameter                                                             | Limit Values          | Result                |
|-----------------------------------------------------------------------|-----------------------|-----------------------|
| Specific Rotation [α] <sub>20</sub> /D(c=4.5g/100ml H <sub>2</sub> O) | 36-44 (°)             | 39.01°                |
| Purity (Argentmetric Titration)                                       | 96.5-103.5 (%)        | 97.15 %               |
| Appearance (R174124)                                                  | off-white powder      | off-white powder      |
| Proton NMR spectrum                                                   | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager