

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-01-25 11:30:24

Date of Next Testing: 2026-01-24 11:30:24

Product Name: **D-Prolinol**

CAS Number: 68832-13-3

Specifications & Purity:  $\geq 98\%$

Lot #: C1826077

SKU #: **P117145**

Version: **3**

Analysis #: **070007**

Storage Temperature: Room temperature, Argon charged

| Parameter                                              | Limit Values                             | Result                                   |
|--------------------------------------------------------|------------------------------------------|------------------------------------------|
| Purity(Neutralization titration)                       | 97.5-102.5 (%)                           | 98.18000 %                               |
| Refractive index n <sub>20/D</sub>                     | 1.483-1.490                              | 1.48400                                  |
| Density (20°C)                                         | 1.035-1.04                               | 1.03800                                  |
| Specific Rotation [α] <sub>20/D</sub> (c=1 in Toluene) | -33--28                                  | -29.21000                                |
| Purity(HPLC)                                           | 98-100 (%)                               | 99.33200 %                               |
| Appearance (P117145)                                   | Colorless to Faint Yellow Viscous Liquid | Colorless to Faint Yellow Viscous Liquid |
| Proton NMR spectrum                                    | Conforms to structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager