

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-16 18:12:49  
 Date of Next Testing: 2029-10-15 18:12:49  
 Product Name: **DL-Panthenol**  
 CAS Number: 16485-10-2  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: J2510635  
 SKU #: **P117668**  
 Version: **1**  
 Analysis #: **393486**  
 Storage Temperature: Room temperature, Argon charged, Desiccated

| Parameter                                                       | Limit Values              | Result                    |
|-----------------------------------------------------------------|---------------------------|---------------------------|
| Purity(HPLC area)                                               | 99-100 (%)                | 100.00000 %               |
| Specific Rotation $[\alpha]_{20/D(c=5 \text{ in H}_2\text{O})}$ | -0.05-0.05 (°)            | -0.04000 °                |
| Melting point                                                   | 65-68 (°C)                | 64.04000 °C               |
| Appearance (P117668)                                            | White or off-white powder | White or off-white powder |
| Proton NMR spectrum                                             | Conforms to Structure     | Conforms to Structure     |



John Su  
 QA & QC Manager