

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-16 18:22:46  
Date of Next Testing: 2029-10-15 18:22:46  
Product Name: **DL-Panthenol**  
CAS Number: 16485-10-2  
Specifications & Purity:  $\geq 99\%$   
Lot #: J2510636  
SKU #: **P117668**  
Version: **1**  
Analysis #: **393486**  
Storage Temperature: Argon charged, Desiccated

| Parameter   | Limit Values              | Result                    |
|---|---------------------------|---------------------------|
| Purity(HPLC area)   | 99-100 (%)                | 100.00 %                  |
| Specific Rotation [a] <sub>20</sub> /D(c=5 in H <sub>2</sub> O) | -0.05-0.05 (°)            | -0.04 °                   |
| 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