

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-12 18:29:31
 Date of Next Testing: 2029-09-11 18:29:31
 Product Name: **D-Panthenol**
 CAS Number: 81-13-0
 Specifications & Purity: $\geq 98\%$
 Lot #: I2503515
 SKU #: **P107368**
 Version: **1**
 Analysis #: **521512**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.20270 %
Refractive index n _{20/D}	1.498-1.5	1.49810
Purity(HPLC area)	98-100 (%)	98.32700 %
Specific Rotation [α] _{20/D} (c=5 in H ₂ O)	29-32 (°)	29.02000 °
Appearance (P107368)	Colorless to Yellow Viscous Liquid or solid	Colorless to Yellow Viscous Liquid or solid
Solubility in H ₂ O	Almost transparency	almost transparency
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager