

Certificate of Analysis

Date of Testing: 2025-01-09 18:27:29

Date of Next Testing: 2029-01-08 18:27:29

Product Name: **D-Panthenol**

CAS Number: 81-13-0

Specifications & Purity: $\geq 98\%$

Lot #: L2427280

SKU #: **P107368**

Version: **1**

Analysis #: **340086**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.47 %
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in } H_2O)$	29-32 (°)	29.41 °
Refractive index $n_{20/D}$	1.498-1.5	1.50
Purity(HPLC area)	98-100 (%)	98.10 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
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



John Su
QA & QC Manager