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Certificate of Analysis

Product Name D-Panthenol, EP grade Glentham Code GP6885 **CAS Number** 81-13-0 **EINECS** 201-327-3 MDL Number MFCD00065006 Batch Number 023VNH 205.26 Molecular Weight Molecular Formula $C_9H_{19}NO_4$

+4°C

Storage Temp.

$$HO$$
 CH_3
 OH
 H
 N
 OH

Property	Specification	Batch 023VNH
Physical Description	Clear, colourless to pale yellow viscous liquid or white to almost white crystalline powder	l Clear, colourless viscous liquid
Identification	According to EP	Conforms
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
pH (5% in water)	≤ 10.5	10.2
Specific Optical Rotation	+29.0 - +32.0 °	+30.4 °
3-Aminopropanol	≤ 1.0%	Conforms
Heavy Metals	≤ 20ppm	Conforms
Water	≤ 1.0%	0.2%
Residue on Ignition	≤ 0.1%	0.05%
Assay	98.0 - 101.0 %	98.4%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.1

Manufacture Date 2023-07-19

Re-Test Date 2030-07-24

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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