



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name: Panthenol

Product Information

Product Number: PAN-20260215

Batch Number: PAN-N2026021501

Brand: SIGALD

CAS Number: 81-13-0

Molecular Formula: $C_9H_{19}NO_4$

Molecular Weight: 205.25 g/mol

Quality Release Date: 15 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance	Clear, colorless to pale yellow viscous liquid	Clear colorless viscous liquid	-	Visual Inspection
Assay (HPLC)	≥ 98.0%	99.7%	%	High Performance Liquid Chromatography
Refractive Index (20°C)	1.495-1.505	1.499	-	Abbe Refractometer
Specific Gravity (20/20°C)	1.200-1.220	1.212	-	Hydrometer Method
Water Content (Karl Fischer)	≤ 1.0%	0.23%	%	Karl Fischer Titration
pH Value (5% Aqueous Solution)	6.0-7.5	6.8	-	Digital pH Meter
Heavy Metals (Pb)	≤ 5 ppm	0.4 ppm	ppm	Atomic Absorption Spectrometry
Arsenic (As)	≤ 1 ppm	0.06 ppm	ppm	Atomic Fluorescence Spectrometry
Iron (Fe)	≤ 10 ppm	1.7 ppm	ppm	Colorimetric Method
Residue on Evaporation	≤ 0.1%	0.02%	%	Gravimetric Method (105°C)
Optical Rotation (20°C)	+25° to +30°	+27.6°	°	Polarimetry

Certification This batch of Panthenol has been tested in accordance with the relevant international industrial, cosmetic and pharmaceutical standards. All test results meet the specified requirements, and the product is qualified for use.

Authorized Signatory: QA Manager

Issue Date: 15 FEB 2026