



SPECIFICATION SHEET

Product Name	D-Panthenol Care (Pro-Vitamin B5, 100% Liquid)		
Grade	Cosmetic Grade	Shelf Life	24 months
Storage	Store in a tightly closed container at room temperature (15–30 °C). Protect from moisture, excessive heat, and direct sunlight.		

PRODUCT PROPERTIES

INCI Name	Panthenol	CAS Number	81-13-0
Molecular Weight	205.25 g/mol	EINECS	201-327-3
Molecular Formula	C ₉ H ₁₉ NO ₄	Recommended Use Level	0.5 – 8.0 %

TEST	SPECIFICATION
Identification A	Infrared Absorption
Identification B	Characteristic deep blue color reaction
Identification C	Characteristic deep purplish-red color reaction
Appearance	Colorless, clear, viscous liquid
Assay	98 – 102 %
Specific Rotation $[\alpha]^{20D}$	+29° to +31.5°
Refractive Index n^{20D}	1.495 – 1.502
Water	Not more than 1.0 %
Aminopropanol	Not more than 1.0 %
Heavy Metals	10 ppm Max
Residue on Ignition	Not more than 0.1 %

These values represent the product specification for the material named above. This document states the agreed specification and does not certify a specific production batch.

This report is not to be signed.