

CERTIFICATE OF ANALYSIS

Product Name	Provitamin B5 (d-panthenol)
INCI Name	D-panthenol, water
CAS#	81-13-0, 7732-18-5
Lot Number	01916029U0
Manufacture Date	07/2026
Re-test Date	07/2028

Items	Specification	Results
Appearance	Viscous liquid or crystalline substance	Conforms
Specific optical rotation	29.0° ~ 31.5° [25°C]	30.2
Refractive Index n(20/D)	1,495 ~ 1,502	1,500
Water (K.F. Titration)	≤ 1,0 [g/100g]	0,1
Aminopropanol (titrimetr.)	≤ 1,0 [g/100g]	0,3
Assay (titrimetr.) (anhydrous basis)	98,0 ~ 102,0 [g/100g]	99,1
Residual solvents		Conforms
Identification		Conforms
Sulfated ash / Residue on ignition	≤ 1,0 [g/100g]	Conforms

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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