

CERTIFICATE OF ANALYSIS

Product Name	Provitamin B5 (d-panthenol) 75%
Product Code	AL00038
INCI Name	D-panthenol, water
CAS Number	81-13-0, 7732-18-5
Lot Number	20260630
Manufacture Date	06/2026
Re-test Date	06/2028

Items	Specification	Results
Appearance	Viscous and clear liquid	Complies
Assay	75.0 ~ 78.5 [%]	77.2
Specific optical rotation	+29.0° ~ +32.0°	+31.5°
pH	6.0 ~ 7.5	6.8
Aminopropanol	≤ 1.0 [%]	0.01
Residue on ignition	≤ 0.1 [%]	0.06
Refractive Index	1.466 ~ 1.475 [20°C]	1.470
Lead	≤ 10 [mg/kg]	< 10
Arsenic	≤ 2 [mg/kg]	< 2
Mercury	≤ 1 [mg/kg]	< 1
Cadmium	≤ 5 [mg/kg]	< 5
Total plate count	≤ 100 [cfu/g]	Complies
Molds and Yeast	≤ 100 [cfu/g]	Complies

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
When stored for a period longer than the one specified above, quality should be checked before use.

As it is electronically generated document, hence no signature required

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