ASES CHEMICAL WORKS

Brahm Bagh, Jalori Gate, Jodhpur - 342001, Rajasthan, India | B-47-50, Industrial Estate, Jodhpur - 342003

Ph: +91-6367075682 / +91-9636889954 | ecom@ases.in | www.ases.in | GST: 08AABFA4650R1Z4

CERTIFICATE OF ANALYSIS

Name of the Product	D-Panthenol (Provitamin B5) 99.5% — Gel / Viscous Liquid
INCI Name	Panthenol (and) Water
CAS No.	81-13-0, 7732-18-5
Batch Number	1026
Mfg. Date	October 2026
Date of Expiry	September 2029 (3 years from Mfg.)
Date of Analysis	October 2026

Sr.	Analytical Tests	Specifications	Results
1	Appearance	Clear liquid	Clear liquid
2	Color	Colorless – slightly yellow	Colorless / slightly yellow
3	Identity (HPLC, rotation)	Confirm (HPLC, rotation)	Corresponds
4	Specific rotation	+29.0 – +32.0 deg	31.2 deg
5	D-Panthenol content	Min. 99%	99.6%
6	Sulphated ash	0 – 0.1%	Corresponds
7	Heavy metals	0 – 10 ppm	Corresponds
8	Free amines as aminopropanol	0 – 1%	0.5%

Remarks: The above batch complies with the specifications.

Storage: Keep in a 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.

Packed by: **ASES Chemical Works** (Packager)

Rohan Singhvi
Authorized Signatory

This certificate is electronically generated and valid without signature.