

CERTIFICATE OF ANALYSIS

PRODUCTS: FM-proVB5® (D-Panthenol) USP

TESTING DATE: AUG.18.2025

BATCH NO: PA2508021

MANUFACTUREDATE: AUG.18.2025

QUANTITY: 1,000.000KG

EXPIRY DATE: AUG.17.2027

INVOICE NO: 6000006634

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Colorless, viscous and clear liquid	Complies
Identification	Positive reaction	Complies
Assay (Dry basis)	98.0% - 102.0%	99.6%
Water	1.0% Max	0.3%
Specific rotation	+ 29.0°~+31.5°	+30.6°
Aminopropanol	1.0% Max	0.4%
Residue on ignition	0.1% Max	0.03%
Refractive Index (20°C)	1.495~1.502	1.497
Heavy metals (as Pb)	10ppm Max	<10ppm
Organic volatile impurities	Meets USP requirements	Complies
Total plate count	≤100 CFU/g	<100 CFU/g
Yeast and Moulds	≤100 CFU/g	<100 CFU/g

CONCLUSION: Conform to the specification.

STORAGE: Store in cool and dry place. Keep away from strong light and heat.

OPERATOR:

AUDITOR:

DATE: AUG.23.2025