



南京泛成生物化工有限公司
Fenchem Biotek Ltd.

CERTIFICATE OF ANALYSIS

PRODUCTS: D-Panthenol 98% USP

TESTING DATE: FEB. 23, 2023

BATCH NO: PA2302009

MANUFACTURE DATE: FEB. 23, 2023

QUANTITY: 800KG

EXPIRY DATE: FEB. 22, 2025

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Colorless, viscous and clear liquid	Complies
Identification	Positive reaction	Complies
Assay (Dry basis)	98.0% - 102.0%	101.5%
Water	1.0% Max	0.3%
Specific rotation	+29.0°~+31.5°	+30.6°
Aminopropanol	1.0% Max	0.5%
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

CONCLUSION: Conform to the specification.

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

OPERATOR:

AUDITOR:

DATE: FEB. 28, 2023

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