



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: JUN. 24, 2024

BATCH NO: PA2407017

MANUFACTURE DATE: JUN. 24, 2024

QUANTITY: 240 kg

EXPIRY DATE: JUN. 23, 2026

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Colorless, viscous and clear liquid	Complies
Identification	Positive reaction	Complies
Assay (Dry basis)	98.0% - 102.0%	99.7%
Water	1.0% Max	0.6%
pH	8.5-10.5	9.3
Specific rotation	+ 29.0° ~ +31.5°	+30.3°
Aminopropanol	1.0% Max	0.5%
Residue on ignition	0.1% Max	0.03%
Refractive Index (20°C)	1.495 - 1.502	1.496
Heavy metals (as Pb)	10ppm Max	< 10ppm
Organic volatile impurities	Meets USP requirements	Complies
Total plate count	≤ 100 CFU/g	< 10 CFU/g
Yeast and Moulds	≤ 100 CFU/g	< 10 CFU/g

**CONCLUSION:** Conform to the specification.

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

OPERATOR:

AUDITOR:

**DATE:** JUN. 29, 2024

