



CERTIFICATE OF ANALYSIS

Product Name	DL-Panthenol	Batch Number	20231015
INCI Name	Panthenol	Grade	USP
		Dispatched Quantity	25kgs
Manufacturing Date	Oct.15,2023	Expiry Date	Oct.14,2025
TEST ITEMS	STANDARD	RESULT	
Appearance	Well dispersed white powder	White Powder	
Identification A(IR)	Conforms to USP	Conforms	
Identification B	Conforms to USP	Conforms	
Identification C	Conforms to USP	Conforms	
Assay	99.0~102.0%	99.9%	
Specific Rotation [α] ²⁰ D	-0.05° ~+0.05°	0°	
Melting Range	64.5°C ~68.5°C	65.3°C~67.3°C	
Loss on Drying	≤0.5%	0.2%	
3-Aminopropanol	≤0.1%	0.02%	
Heavy Metals	≤10 ppm	<10 ppm	
Residue on Ignition	≤0.1%	0.020%	
Conclusion:	This batch product conform to the requirements of USP.		