

CERTIFICATE OF ANALYSIS

Product	Dexpanthenol (CAS:81-13-0)	Quantity	6550kg
Batch No.	JL0221204	Report Date	Dec. 12, 2022
Manufacture Date	Dec. 12, 2022	Expiration Date	Dec. 14, 2025
Test Items	Standard	Results	
Appearance	A colorless or slightly yellowish, viscous hygroscopic liquid (may crystallized on storage)	Conform	
Identification			
A:Infrared absorption<197F>	Conform to USP2021	Conform	
B:The Sample solution:	a deep blue color develops.	Conform	
C:The Sample solution:	a purplish red color develops	Conform	
Assay (on the anhydrous basis)	98.0%-102.0%	99.4%	
Water determination	Not more than 1.0%	0.12%	
Specific optical rotation	+29.0°-+31.5°	30.4°	
Limit of aminopropanol	Not more than 1.0%	0.69%	
Residue on ignition	Not more than 0.1%	0.1%	
Refractive Index(20°C)	1.495-1.502	1.497	
Heavy metals	Not more than 20ppm	conform	
Conclusion: Conform to USP2021			

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