

Certificate of Analysis (D-Panthenol)

Production Date		Batch No.	
Expiry Date		Package (N,W)	20kg/drum
Grade	USP40	Quantity	1000kgs
PI NO.: 20YH-03-07		CB NO.:	IN NO.:
Testing Report			
Testing Items	Quality Criterion		Testing Result
Appearance	Colorless, viscous and clear liquid		Conform
Melting point	64-69℃		Conform
Identification	A. Infrared absorption (197F) B. The Sample solution: a deep blue color develops. C. The Sample solution : a purplish red color develops.		Conform
Assay (on the anhydrous basis)	98.0%~102.0%		98.3%
Water determination	≤ 1.0%		0.24%
Specific optical rotation	+29.0° ~ +31.5°		30.6°
Limit of aminopropanol	≤ 1.0%		0.71%
Residue on ignition	0.1%		0.1%
Refractive Index (20℃)	1.495~1.502		Conform
Heavy metals	≤20ppm شماره ثبت: ۵۵۰۱۲۳		Conform
Conclusion: Upon inspection, the goods comply with USP40.			

Inspector (QC): Kewei Zhao

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