

D-panthenol

Batch No.	20240311	Date of manufacture	2024-03-11
Date of analysis	2024-03-11	Expiry date	2026-03-10
Standard	USP		

Test item		Unit	Specification	Result
Appearance		/	Clear ,viscous,somewhat hygroscopic liquid.Some crystallization may occur on standing	Conform
Solubility		/	Freely soluble in water ,in alcohol , in methanol ,and in propylene glycol; soluble in chloroform and in ether ;slightly soluble in glycerin ;practically insoluble in heptane.	Conform
Identification	A:Infrared absorption < 197F>	/	Conform to USP2021	Conform
	B: The Sample solution	/	a deep blue color develops.	Conform
	B: The Sample solution	/	a purplish red color develops	Conform
Assay(on the anhydrous basis)		%	98.0~102.0	98.7
Water determination		%	Not more than 1.0	0.12
Specific optical rotation		°	+29.0 ~+31.5	30.6
Limit of aminopropanol		%	Not more than 1.0	0.58
Residue on ignition		%	Not more than 0.1	0.05
Refractive Index(20℃)		/	1.495~1.502	1.497

Tested by:Zhangqiang



Reviewed by:Jinru