

USP40 standards

Product name: D-Panthenol  
Batch No.: 180309Y16  
Production date: Mar.09,2018

Expiry: 2 years  
Quantity:1005KG  
Expiry date: Mar.08,2020

Standard: USP40

Items of analysis	Specification	Results
Appearance	Colorless, viscous and clear liquid	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%	0.19%
Specific optical rotation	+29.0° ~+31.5°	30.4°
Limit of aminopropanol	≤ 1.0%	0.59%
Residue on ignition	≤ 0.1%	0.1%
Refractive Index (20°C)	1.495~1.502	Conform
Heavy metals	≤20ppm	Conform
<b>Conclusion:</b>	<b>Conform to USP40</b>	