

D-PANTHENOL (PROVİTAMİN B5)

ANALİZ SERTİFİKASI

Product Name : D-Panthenol (Provitamin B5)

Cas Number : 81-13-0

Molecular Formula : $C_9H_{19}NO_4$

Items of analysis	Specification	Results
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
C:The Sample solution :	a purplish red color develops	Conform
Assay (on the anhydrous basis)	98.0%~102.0%	99.2%
Water determination	Not more than 1.0%	0.16 %
Specific optical rotation	+29.0° ~+31.5°	31.1°
Limit of aminopropanol	Not more than 1.0%	0.68 %
Residue on ignition	Not more than 0.1%	0.05 %
Refractive Index (20°C)	1.495~1.502	1.497

Not: Bu belge üzerindeki spesifikasyonlar, üretici tarafından yapılan analiz sonuçlarındaki değerlerle bire bir aynıdır.