

Specification

Panthenol (DL-Panthenol) (USP 28)

Items	Specification
Appearance	A white to creamy white crystalline powder
Odor	A slightly characteristic odor
Identification (A)	IR spectrum
(B)	Cupric Sulfate Test
(C)	Ferric Chloride Test
Melting Range	64.5 - 68.5°
Specific Rotation	$[\alpha]_D^{25} -0.05^\circ \sim +0.05^\circ$
Loss on drying	Not more than 0.5 %
Residue on ignition	Not more than 0.1 %
Limit of aminopropanol	Not more than 0.10 %
Organic volatile impurities	Meets the requirements
Assay	99.0~102.0 %