

SPECIFICATIONS

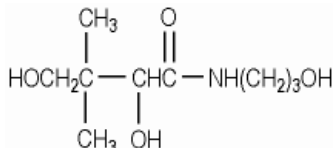


Product Code: 14000

Date: 11/11/2014

**RITAPAN DL
(Panthenol USP)
INCI Name: Panthenol**

DEFINITION: Panthenol is the alcohol that conforms to the formula:



EMPIRICAL FORMULA: C₉H₁₉NO₄

DESCRIPTION: RITAPAN DL is dl-Panthenol which is the racemic form of Pantothenyl Alcohol.

GENERAL DATA:

Molecular Weight	205.25
Solubility	Soluble in water, alcohol, propylene glycol
CAS Number	16485-10-2
EINECS Number	240-540-6
Shelf Life	3 years

SPECIFICATIONS:

Odor	Characteristic
Appearance	White powder
Identification (A, B, C)	Complies with USP
Melting Range	64.5 - 68.5°C
Residue on Ignition	0.1% max
Loss on Drying	0.5% max (vacuum)
Aminopropanol	0.1% max
Assay	99.0% - 102.0%
Specific Rotation	-0.05° to +0.05°
Heavy Metals	10 ppm max
As	2 ppm Max
Residual Solvents	Complies with USP
IR	TMS

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