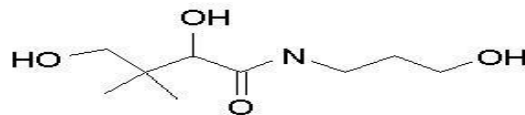


## FICHA TÉCNICA

# DL-PANTHENOL

Popular Name:	DL-Panthenol; Provitamin B5 ; Panthenol, DL-Pantothenyl alcohol
INCI Name:	Panthenol
Molecular Formula:	C <sub>9</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	205.25
CAS NO.:	16485-10-2
EINECS NO.:	240-540-6

### Structural Formula:



### Appearance and Character:

DL-Panthenol is a white and hygroscopic powder. It's a racemic mixture of the dextrorotatory and levorotatory isomers of Panthenol, the alcohol analogue of Pantothenic Acid. It is freely soluble in water, alcohol, methanol and propylene glycol, soluble in chloroform and in ether; slightly soluble in glycerin, insoluble in vegetable oils, mineral oils and fats.

Property	Specification (USP)
Appearance	a white and hygroscopic powder with a faint characteristic odor
Identification	corresponds
Assay (C <sub>9</sub> H <sub>19</sub> NO <sub>4</sub> )	99.0% ~102.0%
Specific Rotation, $[\alpha]^{20}$ ,	-0.05° ~+0.05°
Melting Range	+64.5°C~+68.5°C
Limit of Aminopropanol	max. 0.10%
Residue on Ignition	max. 0.1%
Loss on Drying	max. 0.5%

### Compendial compliance:

DL-Panthenol meets all requirements of USP when tested according to it.



**Stability and Storage:**

DL-Panthenol is stored in cool, dry place. It should be protected from moisture. If it is stored under adequate storage conditions in the unopened original containers, it has a shelf life of 36 months.

Este certificado es una reproducción informatizada del original.

