

# AakoVit P100

## Panthenol

### Description

AakoVit P100 is the more stable alcohol form of Pantothenic Acid (Vitamin B5). When applied topically D-Panthenol is absorbed by the skin where it is converted into Pantothenic Acid.

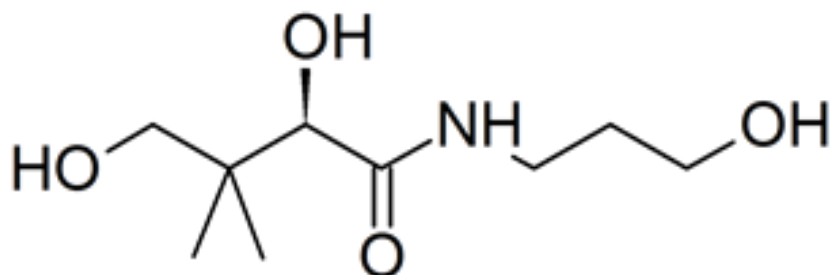
D-Panthenol is a good moisturizer, has anti-inflammatory and anti-irritation properties. It is an ideal addition to sun screen and after sun formulations to reduce redness and irritation. D-Panthenol also has excellent properties for hair care applications for both the hairs and the scalp.

AakoVit P100 is easy to handle and dissolves in warm water. Exposure to heat exceeding 70°C-75°C may cause undesired racemization.

D-Panthenol is stable in neutral or slight acidic aqueous solution (pH 4-6), less stable in acidic or alkaline aqueous solution due to hydrolytic cleavage.

Typical use level is 0.5- 5 %.

▪ Chemical names	(2R)-2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutanamide
▪ INCI name	Panthenol
▪ CAS number	81-13-0
▪ Conform	EP 10.0



## AakoVit P100

### Typical properties

Appearance	Clear colorless viscous hygroscopic liquid
D-Panthenol Assay	98 – 101 %
Water content	≤ 1 %
Residue on ignition	≤ 0.1 %
Specific rotation	+29.0 - +32.0
pH	≤ 10.5

### Storage:

Stored under dry conditions in tightly closed dry containers, protected from light. Shelf life of at least 2 years under appropriate conditions of storage.