

AakoVit P75 CAF

Panthenol

Description

AakoVit P75 CAF is a 75% aqueous solution of pure D-Panthenol without citric acid. D-Panthenol 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.

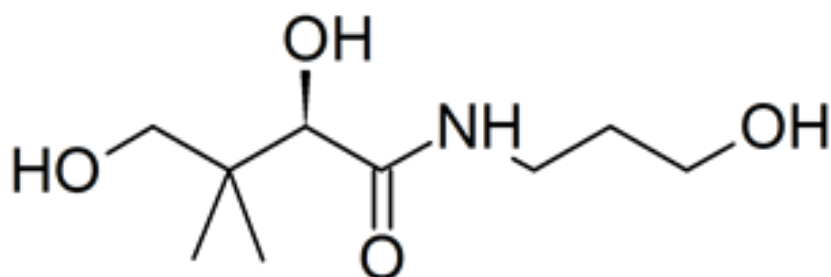
D-Panthenol stimulates wound-healing, is a good moisturizer, has anti-inflammatory and anti-irritation properties. D-Panthenol also has excellent properties for hair care applications for both the hairs and the scalp.

AakoVit P75 is easy to handle and smoothly dissolves in water. Exposure to heat exceeding 70°C-75°C may cause undesired racemization.

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

Typical use level is 0.5- 10 %.

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



AakoVit P75 CAF

Typical properties

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|-------------------|------------------------|
| Appearance | Clear colorless liquid |
| Odour | Almost odourless |
| Assay | $\geq 75\%$ |
| pH value | 5.5 – 7.0 |
| Specific rotation | +29.0 - +32.0° |

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.