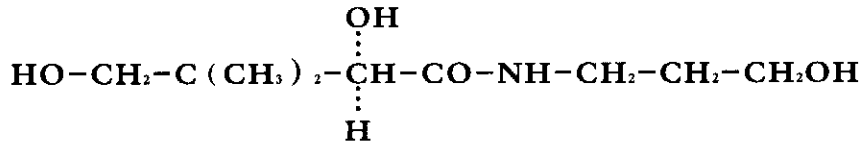


dl Panthenol

A white, crystalline, hygroscopic powder. It is the racemic mixture of the d and l isomers of panthenol. It is a moisturizing and conditioning agent and a source of vitamin B₅ for use in hair care and skin care products.



CTFA/INCI NAME: Panthenol

Formula: C₉H₁₉NO₄

Molecular Weight: 205.25

CAS#: 16485-10-2

Solubility: Freely soluble in water, alcohol, methanol and propylene glycol; soluble in chloroform and in ether; slightly soluble in glycerin. Insoluble in vegetable oils, mineral oil and fats.

Odor and Taste: Slight characteristic odor with a slight bitter taste.

Specifications:

Assay: 99.0%–102.0% (calculated on the dried basis)

Identification: Meets USP requirements

Melting Range: Between 64.5°C and 68.5°C

Specific Rotation: Between -0.05° and +0.05°

Loss on Drying: Not more than 0.5%

Residue on Ignition: Not more than 0.1%

Aminopropanol: Not more than 0.10%

Organic Volatile

Impurities: Meets USP requirements

Manufacturer: ZHEJIANG XINFU BIOCHEMICAL CO., LTD

Country of Origin: China

Packaging: 20kg carton with aluminum laminated polyethylene bag

Storage: Store in cool, dry place in tightly sealed, light-resistant container. Protect from moisture.

Shelf Life: 24 months from the date of analysis in the original unopened container.