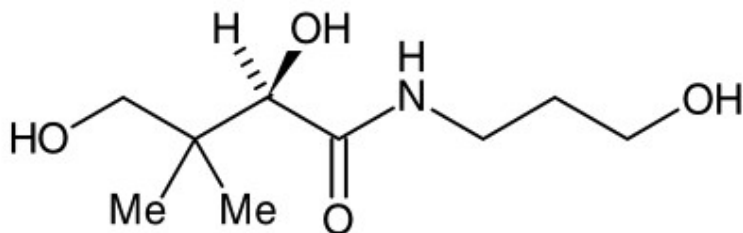


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IMPORT - EXPORT

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D- panthenol

Popular Name: Pro-itamin B5; D-pantothenyl alcohol; D-panthenol; Dexpanthenol

INCI Name: Panthenol

Molecular formula: C₉H₁₉NO₄

Molecular weight: 205.25

CAS.NO.: 81-13-0

Structral Formula: (结构式)

Appearance and Character:

Pure D-Panthenol is a colorless, clear, viscous and hygroscopic liquid. It can solidify on prolonged storage. It is freely soluble in water, ethanol, methanol and propylene glycol, soluble in chloroform and in ether, slightly soluble in glycerin, insoluble in vegetable oils, mineral oils and fats.

Property and Specification

Property Specification

Appearance colorless, clear, viscous liquid

Assay 98.0%~102.0%

Identification normal reaction

Residue Index (at 20°C) 1.495~1.502

Specific Rotation +29.0°~+31.5°

Water max. 1.0%

Residue on Ignition max. 0.1%

Limit of Aminopropanol max. 1.0%

Organic Volatile Impurities meets UPS requirements

Usage:

D-Panthenol is the Provitamin of D-Pantothenic acid (Vitamin B5), which plays a key role in the human intermediary metabolism. Deficiency of Vitamin B5 can result in many dermatological disorders. D-panthenol is applied in pharmaceutical industry and almost all types of cosmetic preparations. It cares hair, skin and nails.

Role in the skin: 1. deep penetrating moisturizer 2. stimulates epithelization

3. wound healing effect 4. anti-inflammatory effect

Role in the hair: 1. long lasting moisturizer 2. prevents hair damage

3. thickens hair 4. improves luster and sheen

Role in the care: 1. improves hydration 2. imparts flexibility

Stability and Storage:

D-panthenol is stored to air and light but not heat. If it is stored at below 25°C in the tightly sealed, original containers, it has a shelflife of 24 months. In weakly acidic, aqueous solutions, D-Panthenol is considerably more stable than the salts of pantothenic acid. It is unstable in strong acids and bases.

Packge: 20kg carton (two pails in one carton, 10kg pail); 200kg drum

USO: MANGIMISTICO/ FEED