



DL-Panthenol 50W

Popular Name: Provitamin B5 ; DL-Pantothenyl alcohol ; DL-Panthenol

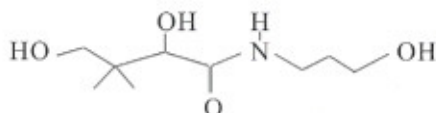
INCI Name: Panthenol (and) Water

Molecular Formula: C₉H₁₉NO₄

Molecular Weight: 205.25

CAS NO.: 16485-10-2 (DL-Panthenol) 7732-18-5 (Water)

Structural Formula:



Appearance and Character: DL-Panthenol 50W is a slightly yellowish or colorless, clear, solution of the pure substance in water. It is readily miscible in water, ethanol, methanol and propylene glycol; it is insoluble in fats and oils.

Property

Appearance

Assay

PH (5% Water)

Specific Optical Rotation

Heavy Metals

Limit of Aminopropanol

Organic Volatile Impurities

Specification

slightly yellowish or colorless, clear liquid

50.0% ~ 53.5%

5.5 ~ 7.0

-0.05° ~ +0.05°

max. 0.002%

max. 0.5%

meets requirements

Usage:

DL-Panthenol 50W is the provitamin of DL-Pantothenic acid (Vitamin B5), which plays a key role in the human intermediary metabolism. Deficiency of Vitamin B5 can result in many dermatological disorders. DL-Panthenol 50W 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 nail care: 1. improves hydration 2. imparts flexibility

Stability and Storage:

DL-Panthenol 50W is stable to air and light. If it is stored at below 25°C in the tightly sealed, original containers, it has a shelf life of 12 months. It is unstable in strong acids and bases.

Package:

20 kg carton (two pails in one carton, 10 kg pail); 200 kg drum; 1000 kg IBC

Manufacturer: Zhejiang Xinfu Biochemical Co., Ltd.