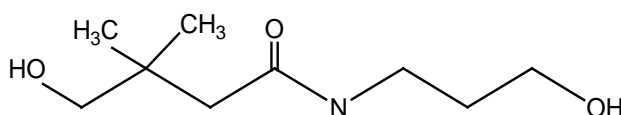


Technical Data Sheet

SFG D-Panthenol 75%

Panthenol
CAS# 81-13-0



Mol. wt. 205.25

Formula C₉H₁₉NO₄

Description

SFG 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 type of cosmetic preparations. It cares hair, skin and nails.

Specifications

Item	Specification
Appearance	Colorless or yellow, viscous and clear liquid
Identification	Positive reaction
Assay (% , on dried basis)	75.0 ~ 78.5
Specific optical rotation (°)	+29.5 ~ +32.0
Limit of aminopropanol (%)	≤ 1.0
Residue on ignition (%)	≤ 0.1
Refractive index (20°C)	1.466 ~ 1.475
Heavy metals (ppm)	≤ 10
pH	6.0 ~ 7.5

Applications

Skin care	Deep penetrating moisturizer / Stimulates epithelization / Wound healing / Anti-inflammatory
Hair care	Long lasting moisturizer / Prevents hair damage / Thickens hair / Improves luster and sheen
Nail care	Improves hydration / Imparts flexibility

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Protect from humidity. Store at room temperature.

Shelf Life

2 years