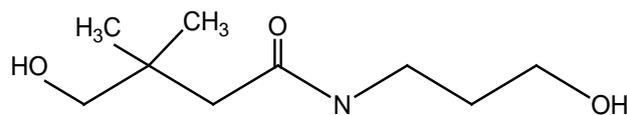


# Technical Data Sheet

## SFG D-Panthenol 75%

Panthenol  
CAS# 81-13-0



Mol. wt. 205.25

Formula C<sub>9</sub>H<sub>19</sub>NO<sub>4</sub>

### 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