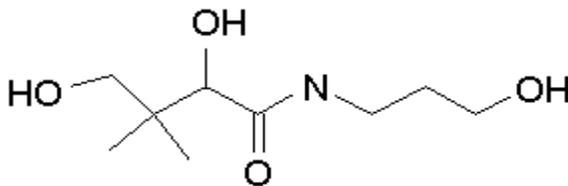


Technical Data Sheet

SFG D-Panthenol 50%

Panthenol (and) Propylene Glycol
CAS# 81-13-0 (and) 57-55-6



Mol. wt. 205.25

Formula C₉H₁₉NO₄

Description

SFG D-Panthenol 50% is a colorless or slight yellowish, clear solution of the pure substance in propylene glycol. It is freely soluble in water, ethanol, methanol and propylene glycol, and insoluble in oils and fats.

Specifications

Item	Specification
Appearance	Slightly yellowish or colorless, clear liquid
Identification	Normal reaction
Assay (%)	50.0~55.0
Specific Rotation (°)	+14.5~17.5
Heavy Metals (ppm)	Max 10
Limit of 3-Aminopropanol (%)	Max 0.5
Residue on ignition (%)	Max 0.1

Application

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. SFG D-Panthenol 50% can be applied in almost all types of cosmetic preparations. It cares hair, skin and nails.

- | | | |
|--------------------------|--|---|
| Role in skin care | <ul style="list-style-type: none"> • deep penetrating moisturizer • wound healing effect | <ul style="list-style-type: none"> • stimulates epithelisation • anti-inflammatory effect |
| Role in hair care | <ul style="list-style-type: none"> • long lasting moisturizer • thickens hair | <ul style="list-style-type: none"> • prevents hair damage • improves luster and sheen |
| Role in nail care | <ul style="list-style-type: none"> • improves hydration | <ul style="list-style-type: none"> • imparts flexibility |

Storage

Stable to air and light but not heat. Store at below 25°C in the tightly sealed, original containers. It is unstable in strong acids and bases.

Shelf Life

2 years