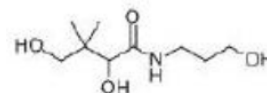


TECHNICAL DATA SHEET

D-Panthenol 99%

Basic information

Chemical name	D Panthenol	Formula	C9H19NO4
Synonyms	Dexpanthenol; Provitamin B; D-Panthenyl alcohol;	Chemical structure	
CAS.No.	81-13-0		
EINECS No.	201-327-3		
Molecular weight	205.25		
HS Code	2936240000		



Physical properties

Appearance	Transparent viscous liquid, with a special smell, has a bitter taste.
Density, 20°C, g/cm ³	1.20
Boiling point, °C	118-120
Specific rotation, °	30.5
Refractive index	1.495-1.502
Solubility	Soluble in water, ethanol, methanol & Propylene glycol, soluble in chloroform & ethyl ether, glycerin.

Specification

Items	USP grade
Appearance	Colorless, viscous and clear liquid
Identification	Positive reaction
Assay, %	98.00-102.00
Water, %	≤ 1.0
Specific optical rotation, °	+29.00 ~ +31.50
Limit of aminopropanol, %	≤ 1.0
Residue on ignition	≤ 0.1
Refractive index (20°C)	1.495 ~ 1.502
Heavy metals, ppm	≤ 20.00

Application

Medicine filed As a medical intermediate;

Food & Feed filed keep the skin & mucous membrane, improve hair gloss, enhance immunity, prevent the disease;
Cosmetic filed Used as a nutritional supplement & enhancer, promote the body metabolism of protein, fat, sugar, As humectant, widely used in shampoo, cream & nail care;

Package

- 15kg/drum, In 20'ft, 8.1 with pallets;