



技术数据表 Technical Data Sheet

1. 介绍 Introduction:

品名 Product Name	CAS#	化学式 Chemical Formula	分子量 M.W.
D-泛醇 D-Panthenol	81-13-0	C ₉ H ₁₉ NO ₄	205.25

泛醇是维生素 B5 的前体，故又称维生素原 B5，它含有不少于 98%含量的 D-泛醇，它是一种无色至微黄色透明粘稠的液体，具轻微的特殊气味。

D-Panthenol is the precursor of vitamin B5. It contains no less than 99% D-Panthenol. D-Panthenol is a clear, viscous liquid from colorless to yellowish, with a slight characteristic odor.

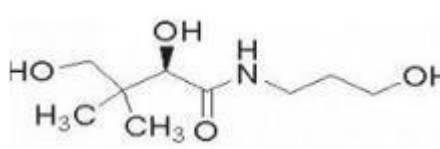
2. 应用 Application:

广泛用于医药、食品、饲料、化妆品行业中。在食品行业中，用作营养增补剂和强化剂，促进人体蛋白质、脂肪、糖类的代谢，保持皮肤和粘膜，改善毛发光泽，提高免疫力，防止疾病的发生；在化妆品行业：皮肤上的护理作用表现为深入渗透的保湿剂，刺激上皮细胞的生长，促进伤口愈合，起消炎作用；头发上的护理作用表现为持久的保湿功能，防止头发开叉，受损，增加头发的密度，提高发质的光泽；指甲的护理上表现为改善指甲的水合性，赋予指甲柔韧性。

D-Panthenol is widely used in medicine, food, feed, cosmetics industry. It is used as a nutritional supplement and enhancer in the food industry. It promotes the metabolism of protein, fat, sugar, keeps the skin and mucous membrane, improves hair gloss, enhances immunity and prevents the happening of the disease. In the cosmetics industry: the nursing function on the skin is manifested as the deep penetration moisturizer, which stimulates the growth of epithelial cells, promotes wound healing and plays an anti-inflammatory role. the nursing function on the nails is to improve the hydration of nails, giving them flexibility.

3. 规格单 Specifications:

化学结构
Chemical Structure



化学式 Chemical Formula C₉H₁₉NO₄

分子量 Molecular Weight 205.25

CAS 号 CAS Number 81-13-0



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符合 Conforms To USP

原料来源 Raw Material Source 非动物源 Non Animal

外观 Appearance Colorless, viscous and clear liquid
无色，粘稠透明液体

含量 Assay (on the anhydrous basis) (%) 98.0~102.0

水分 Water determination (%) ≤ 1.0

旋光度 Specific optical rotation $+29.0^{\circ} \sim +31.5^{\circ}$

氨基丙醇 Aminopropanol (%) ≤ 1.0

灼烧残渣 Residue on ignition (%) ≤ 0.1

折射率 Refractive Index (20°C) 1.495~1.502

重金属 Heavy metals (ppm) ≤ 10

包装 Package : 20 公斤/桶 20kg/pail

保质期 Period of validity: 24 个月 24 months

储存 Storage: 阴凉，干燥，密封的条件下储存。
under shady ,dry, and sealed conditions.