

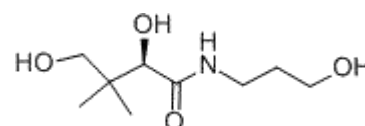
Technical Data Sheet

Basic information

Chemical name	Dexpanthenol
Synonyms	D- panthenol
CAS.No.	81-13-0
EINECS No.	201-327-3
Molecular weight	205.25

Formula C₉H₁₉NO₄

Chemical structure



Physical properties

Appearance	Colorless viscous and clear liquid
Density, 20 °C, g/cm ³	1.20 g/mL at 20 °C (lit.)
Boiling point, °C	118-120 °C (2.7 mmHg)
Flash point, °C	118-120 °C/0.02m
Refractive index	1.495-1.502
Solubility	Soluble in water

Specification

Item	75%	98%
Appearance	Colorless viscous and clear liquid	Colorless viscous and clear liquid
Identification	Positive reaction	Positive reaction
Specific optical rotation	+29.0° ~ +31.0° (dry basis)	+29.00 ~ +31.50
Limit of aminopropanol, %	≤ 1.0	≤ 1.0
Heavy metals, ppm	≤ 20.0	-
Organic volatile impurities, %	Complies to standard	Meets the requirements
Residue on Ignition, %	-	≤ 0.1
Water, %	-	≤ 1.0
Assay (HPLC), %	75.0~78.5	98.00-102.00

Application

Food filed	Used as a nutritional supplements and enhancers to promote the metabolism of human protein, fat, carbohydrates, keep the skin and mucous membranes, improve hair luster, improve immunity, prevent the occurrence of disease.
Cosmetic grade	The care of the skin is manifested as a deep penetration of the moisturizer

Package

15kg or 20kg/plastic drum, or as per customer request.

Safety on transportation

It belongs to common goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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