

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number 33063

Product **D-Panthenol**

(R)-(+)-2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutyramide

Provitamin B

CAS Number 81-13-0

Molecular Formula C₉H₁₉NO₄

Molecular Weight 205.25

Warnings *Hygroscopic!*

Appearance Clear,colorless viscous liquid

Odor Characteristic odor

Refractive Index 1.495 - 1.502

Heavy Metals ≤ 10 ppm

**Water Content (Karl
Fisher)** ≤ 1.0%

Optical Rotation [α]_D²⁰ = 29.0 - 31.5°

Infrared Spectrum Conforms to structure

Residual Solvents Residual organic solvent: Meets the requirements

Related Substances Aminopropanol : ≤ 1.0%

Residue On Ignition ≤ 0.1%

Assay by titration 98 - 102% (on dry basis)

Grade USP

Storage Store at RT

Product Specifications

Catalog Number: 33063

For Laboratory Use Only