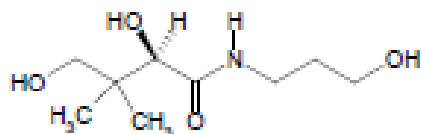


Technical Data Sheet**Product Name:** D-Panthenol 98%™**Chemical Structure:****CAS No:** 81-13-0**EINECS:** 201-327-3**INCI Name:** Panthenol**Chemical formula:** C₉H₁₉NO₄**Molecular weight:** 205.3**Characteristics:**

Appearance	Colorless, viscous and clear liquid
Identification	Positive
Specific optical rotation	+29.0 ⁰ - +31.5 ⁰
Water	Maximum 1.0%
Refractive index	Min 1.495- Max 1.502
Limit of Amino propanol	Not more than 1.0%
Residue on ignition	Not more than 0.1%
Organic volatile impurities	Meets the requirements
Assay	98.0% - 102.0%

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