GREEN VALLEY LABORATORY

CERTIFICATE OF ANALYSIS

Product:	D-Panthenol		
Lot #:	9501	**Re-test:**	December 2027

Property	Specification	Analysis
Appearance	Colorless, viscous and clear liquid	Conforms
Identification	Positive reaction	Conforms
Assay (on dried basis)	98.0% - 102.0%	100.1 %
Water	≤ 1.0%	0.5%
Specific optical rotation	+29.0° - +31.5°	+30.4 °
Limit of aminopropanol	≤ 1.0%	0.4%
Residue on ignition	≤ 0.1%	0.04 %
Refractive Index (20°C)	1.495 – 1.502	1.499
Organic volatile impurities	Meets the requirements	Conforms

The above data were obtained using the test-indicated method. Results may vary under other test methods and are subject to the deviation inherent in the test conditions.

DISCLAIMER

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