

CERTIFICATE OF ANALYSIS

Product Description	Batch	Re-Test Date	Customer Reference
D-PANTHENOL 75	9899	12/2024	

PARAMETERS	SPECIFICATION	RESULTS
Colour and Appearance:	Clear Colourless liquid	Comparable to standard
Odour:	Neutral odour	Comparable to standard
D-Panthenol Content	> 75%	77.6
pH Value (10% aqueous solution):	9.5 - 10.5	10.2
Specific Optical rotation:	+ 29° to +32°	30.1
Water Content:	< 1.0%	0.08%
Density @20°C	1.2g/cm ³	Conforms
Free Amines as Aminopropanol	0.0 to 1.0 %	0.3

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