

PRODUCT SPECIFICATION

PRODUCT: Uni-Oil DP – 99 [D-Panthenol – 99 %]

SPECIFICATION:

Sr. No.	Typical properties	Acceptance criteria	Typical values
1	Odour	Odourless	Odourless
2	Colour	Colourless to slightly yellow	Colourless
3	Appearance	Clear viscous liquid	Complies
4	Purity, %	98 – 100	99.1
5	pH, 5 % Solution	5.0 – 7.0	5.65
6	Refractive Index	1.49 – 1.50	1.49
7	Content of 3-Aminopropanol, %	Less than 1.0	0.01
8	Ignition residues (%)	Not more than 0.1	0.06
9	Specific optical rotation	(+) 29.0 (+) 31.0	Complies
10	Heavy Metals, ppm	Not more than 10	2.0

Regd. Off.: Unit No.1, Riddhi Siddhi, Corporate Park, V. N. Purav Marg,
(Sion Trombay Road), Chembur, Mumbai - 71. MH, India, • Fax : +91-22-2524 1895
Tel. : +91-22-2529 9990 / 91 / 92 / 93 / +91-22-4232 4121 • Web : www.unicornpetro.co.in
• E-mail : unipetro@vsnl.com, info@unicornpetro.co.in

Factory : 10, Vaibhav Industrial Estate, Sion - Trombay Road, Deonar, Mumbai - 400 088
Phone: +91 - 22 - 2557 6611 / 3296 6611 • E-mail : factory@unicornpetro.co.in

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