



# ART VATIKA INSTITUTE

One Stop Solution to all Your Cosmetic Needs

<b>Material Name</b>	D Pantothenate POWDER	Manufacture Date	NOV.17,2022
<b>Quantity</b>	5000KGS	Expiry date	: NOV.16,2025
<b>Batch No</b>	221117B022		
<b>S. No.</b>	<b>Test Parameter</b>	<b>SPECIFICATION</b>	<b>RESULTS</b>
1	Appearance	A white powder; slightly hygroscopic. Freely soluble in water, soluble in glycerin; slightly soluble in ethanol (95 per cent); practically insoluble in ether.	Conform
2	Identification	<b>A:</b> In the test for B-Alanine, the principal spot obtained with test solution (b) corresponds to that obtained with reference solution (a).	Conform
3		<b>B:</b> Boil 50 mg in 5 ml of 1M sodium hydroxide for 1 minute, cool and add 5 ml of 1 M hydrochloric acid and 2 drops of ferric chloride test solution; a strong yellow colour is produced.	Conform
4		<b>C:</b> To 50 mg in 2 ml of 1 M sodium hydroxide add 0.1 ml of copper sulphate solution; a blue colour is produced.	Conform
5		<b>D:</b> Give reaction of calcium.	Conform
6	Appearance of solution	5.0 percent w/v solution in carbon dioxide-free water is clear and colourless.	Conform
7	Specific optical rotation	+25.0°~+27.5	26.6
8	PH	6.8-8.0	7.6
9	B-Alanine	not more than 0.5%	Conform
10	Loss on drying	not more than 3.0%	2.40%
11	Heavy metals	not more than 20ppm	Conform
12	Residual solvents		
13	Methanol	not more than 3000ppm	23ppm
14	Ethyl Acetate	not more than 5000ppm	Conform
15	Assay	98%-101%	98.2
16	Conclusion	Conform to IP	
Chemical Name :	D Pantothenate POWDER		
CAS Number :			<b>Approved By</b>

Opinion: The sample Complies with prescribed standard of quality with respect to above tests.

