

Certificate of Analysis

Name of Product: D-Panthenol 75
Batch Number: BBB2478
INCI Name: Panthenol & Aqua & Citric Acid (Less than 1%)

Test	Standards/Methods	Results
Description	Viscous and clear liquid	-
Colour	Colourless or slight yellow	-
Assay (%)	75.0 Min	-
Identification	Positive reaction	-
Specific Rotation (°C)	+29.0 ~ +32.0	-
Water (%)	25.0 Max	-
pH (5%) (%)	5.5 – 7.0	-
Aminopropanol (%)	1.0 Max	-
Residue on Ignition (%)	0.1 Max	-
Refraction Index (20°C) (°C)	1.466 ~1.475	-
Heavy Metals (ppm)	10 Max	-
Total Plate Count (cfu/g)	100 Max	-
Storage	Store in cool dry place. Keep away from strong light and heat.	
Shelf life	2 years when properly stored.	