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Certificate of Analysis

Product: D-Panthenol 75 W
Batch Number: 18091201
Reference: Order: BILL160919
Code: n/a
Quantity: 3 x 20kg nett wt Boxes

Test	Analysis	Specification
Appearance	Conforms	Colourless, viscous and clear liquid
Assay, %	77.6	75.0 - 78.5
Identification (IR Spectrum)	Positive reaction	Positive reaction
Specific Rotation (on dried basis), degrees	30.50	+29.5 - +32.0
Aminopropanol content, %	0.03	1.0 maximum
Residue on Ignition, %	Conforms	0.1 maximum
Refractive Index	1.467	1.466 - 1.475
Heavy Metals, ppm	Conforms	10 maximum
Organic Volatile Impurities	Conforms	USP Requirements
pH	6.9	5.5 - 7.5

Date of Manufacture: 12/09/2018

Recommended Date of Re-Test: 12/09/2020

Issue date: 17/09/2019

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