

CERTIFICATE OF ANALYSIS

Product Name	D-Calcium Pantothenate	Batch No	PY-CA20210402
Quantity	1000KG	Analysis Date	Apr.05,2021
Mfg. Date	Apr.02,2021	Exp. Date	Apr.01,2023
Package	25kg/Drum	Standard	USP40

No.	Item	Specification	Result
1.	Appearance	White powder	Complies
2.	Identification	A: Infrared Absorption 197K:Concordant with the reference spectrum	Complies
		B: A solution(1 in 20) responds to the test for Calcium: Comply to USP 40	Complies
3.	Specific Optical Rotation	+25.0° ~ +27.5°	+26.1°
4.	Alkalinity	No pink color is produced within 5 seconds	Complies
5.	Loss on Drying	≤5.0%	3.3%
6.	Heavy Metals	≤20ppm	<20ppm
7.	Pb	≤3ppm	<3ppm
8.	Ordinary Impurities	≤1.0%	Complies
9.	Content of Calcium	8.2%-8.6%	8.29%
10.	Total Plate Count	<1000cfu/g	Complies
11.	Yeasts & Moulds	<100cfu/g	Complies
12.	Assay	98.0%-101.0%	99.1%
13.	Conclusion	Conform to the USP40 Standard.	

Analyst: xuli

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