



CERTIFICATE OF ANALYSIS

Product	D-Pantothenic acid hemicalcium salt (Vitamin B5)
Grade	USP
Product Code	PB0683
Formula	C ₉ H ₁₆ NO ₅ •0.5Ca
MW	238.3
CAS#	137-08-6
Lot No	T6120610
Retest Date	June, 2028

Test Items	Specifications	Results
Appearance	White powder	Complies
Identification	Complies	Complies
Specific optical rotation	+25.0° ~ +27.5°	+27.2°
Alkalinity	No pink color within 5 sec	Complies
Lose on Drying	≤ 5%	2.3%
pH	6.8 – 8.0	7.4
Calcium content	8.2 ~ 8.6%	8.3%
Nitrogen content	5.7 - 6.0%	5.8%
Heavy Metals	≤ 0.002%	< 0.002%
Related Substances		
Ordinary impurities	≤1.0%	0.35%
Microbial Limits		
Total Plate Count	≤ 1000 CFU/g	< 10 CFU/g
Moulds & Yeasts	≤ 100 CFU/g	< 10 CFU/g
E.coli	Negative/g	ND
Salmonella	Negative/25g	ND
Assay	98 ~ 102%	99.0%

Storage: 4°C



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This Signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature: *Nancy G.*

Title: Quality Manager

Date: June 05, 2025