



Specification

Concerning Product:	
Article number	137086CUP
Trade name / designation / denomination	Vitamin B5 (Calcium-D-Pantothenat)
CAS number	137-08-6
Other names / synonyms	•CALCIUM DL-PANTOTHENATE; •Calcium DL-Pantothenate; •Calcium Pantothenate, FCC; •Calcium Pantothenate, Powder, USP; •Calcium Pantothenate, Ultrapure; •Calcium pantothenate; •D-PANTOTHENIC ACID; •D-Pantothenic acid hemicalcium salt; •DL-Pantothenic Acid Calcium Salt; •Vitamin B5;
EC number	205-278-9
Customs tariff number / CN code / TARIC	29362400
Molecular weight [g / mol]	476,54
Formula	C18H32CaN2O10

Parameter	Test Method	Specification	Unit
Organoleptic test			
Discription		white powder	
Physical parameter			
Loss on drying	105°for 3HR	≤ 5	%
Specific Optical Rotation		25,5 – 27,5	°
Identity			
Assay	on dry basis	98 – 102	%
Identification	Calcium	Meets all requirements	
Identification	Infrared	Meets Standard Graph	
Impurities			
Free Alkali (Ca(OH) ₂)		No pink reaction Within 5 seconds	
Residual Solvents			
Residual solvents		Methanol ≤ 0,3	
Elemental Impurities			
Arsenic (As)		≤ 1,0	ppm
Calcium (Ca)		8,2 – 8,6	%
Cadmium (Cd)		≤ 0,5	ppm
Mercury (Hg)		≤ 0,1	ppm
Lead (Pb)		≤ 0,5	ppm
Microbiological data			
Escherichia Coli.		Negative	CFU/g
Salmonella		neg. in 25g	
Total Plate Count		≤ 1000	CFU/g
Yeast and Mould		≤ 100	CFU/g

Supplemental information:

Regional origin: China

Conclusion: Complies with current USP41. Calcium Pantothenate is manufactured in China and all materials originate from China. Calcium Pantothenate complies with Proposition 65. We guarantee that this product does not contain Melamine and any of its by products.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 13. Oct. 2020

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