



Specification

Concerning Product:	
Article number	137086ALR
Trade name / designation / denomination	Vitamin B5
CAS number	137-08-6
Other names / synonyms	•Calcium DL-Pantothenate; •Calcium pantothenate; •DL-Pantothenic Acid Calcium Salt; •Vitamin B5; •calcium 3-[(2,4-dihydroxy-3,3-dimethyl-1-oxobutyl)amino]propanoate;
EC number	205-278-9
Customs tariff number / CN code / TARIC	29362400
Molecular weight [g / mol]	476,54
Formula	C ₁₈ H ₃₂ CaN ₂ O ₁₀

Parameter	Specification	Unit
Organoleptic test		
Colour	white to off-white	
Physical parameter		
Acidity/Alkalinity	No pink Color is produced within 5 Seconds.	
Form	powder	
Loss on drying	≤ 5	%
pH value	6,8 – 8,0	
Specific Optical Rotation	+25,0 – 27,5	°
Identity		
Infrared absorbtion spectrometry	(Identification A) 197K	
Impurities		
Impurity	Ethylene Oxide: Meet EC 396/2005	
Impurity	unspecified: ≤ 1,0	%
Elemental Impurities		
Arsenic (As)	≤ 2,0	ppm
Calcium (Ca)	8,2 – 8,6	%
Cadmium (Cd)	≤ 1,0	ppm
Mercury (Hg)	≤ 0,1	ppm
Nitrogen (N)	5,7 – 6,0	%
Lead (Pb)	≤ 3,0	ppm

Microbiological data		
Escherichia Coli.	neg.	
Salmonella	neg.	
Staphylococcus Aureus	neg.	
Total Plate Count	≤ 1000	CFU/g
Yeast and Mould	≤ 100	CFU/g

Regulatory information:

Allergens statement: Product is free of allergens according to Regulation (EU) No. 1169/2011 Annex II.

BSE/TSE statement: Product conforms to TSE/BSE regulation EC Nr. 999/2001.

GMO statement: Product is GMO free and complies to Regulations (EC) No. 1829/2003 and 1830/2003.

Irradiated Status: Product is irradiation free according to Directive EC 1992/2/EG and 1169/2011.

Supplemental information:

Shelf life: 36 month

Derivation: Used solvent: Methanol

Note: Product is Kosher & Halal certified.

Product does not consist of or contains Melamine according to Regulation EC 594/2012.

Product is Gluten free according to Regulation EC No. 828/2014.

Product conforms to Regulation EC 1935/2004 and EC/10/2011 and Amendments.

Product does not meet the criteria for classification as dangerous in accordance with EU regulation (EC) No 1272/2008 and its modifications, therefore is not subject to the obligation to provide a Material Safety Data Sheet according to

Storage conditions: Keep in tightly closed original sealed packing in a cool, clean and dry place, away from direct sunlight and water.

Packing: 25 kg bags

Regional origin: CN

Usage: The product is suitable for a vegetarian nutrition.

The product is suitable for a vegan nutrition.

The product is suitable for lactose intolerance diet.

The product is suitable for people with coeliac disease and sprue.

The product is in compliance with Jewish dietary laws.

The product is in compliance with Islamic dietary laws.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 16. Dec. 2021

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