

Calcium-D-Pantothenate Pharma

Vitamin B₅ (calcium D-pantothenate), pure

Chemical name(s) of active ingredient

Vitamin B₅, calcium D-pantothenate, calcium R-pantothenate

CAS-No. 137-08-6

EINECS-No. 205-278-9

PRD

30844066

Articles

50849499 25 kg bag in box

Description

White, slightly hygroscopic, almost odorless powder with a slightly bitter taste.

Benefits

Vegetarian, kosher, halal, allergen-free, gluten-free

Composition

Calcium-D-pantothenate (vitamin B₅)

Solubility

Readily soluble in water, soluble in glycerol, somewhat soluble in ethanol, and virtually insoluble in ether and chloroform.

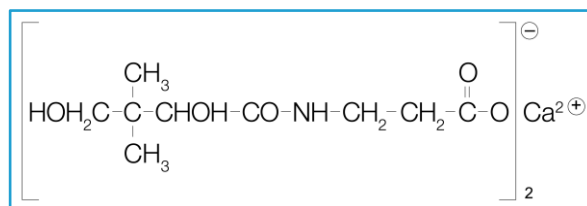
Specification

Assay 98.0 – 101.0%

For further information see "Product Specification" (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants (<https://nutritionvirtualassistants.basf.com>).

Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). The product complies with the current "Calcium Pantothenate" Ph. Eur., the "Calcium Pantothenate" USP and "Calcium Pantothenate" IP monographs. It meets the regulatory requirements for a source of pantothenic acid in most countries. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use.



C₁₈H₃₂CaN₂O₁₀

476.6 g/mol

Bulk density

Approx. 0.6 g/ml

Stability and storage

Stored in its unopened, original packaging at temperatures not above 25 °C, in a dry and dark place, the product is stable for at least 36 months. It is hydrolyzed by strong alkalis and acids and is slightly hygroscopic.

Handling

It is recommended to use up the remaining contents quickly once the package has been opened.

Applications

For solid dosage forms, e.g., tablets, sugar-coated tablets, effervescent tablets, film-coated tablets, chewable tablets, capsules. The product is hygroscopic. It is suitable for direct compression. In liquid and semi-solid dosage forms, particularly when used in combination with other vitamins, D-panthenol (=provitamin B₅) is preferable to calcium D-pantothenate, because it is more stable. Suitable for use in pharmaceutical applications, where a European ASMF and CEP is accepted.

Suitability of these applications is presented based solely on technical feasibility. Local prevailing legal or regulatory requirements are not considered and should be observed separately.

Note

The product must be handled in accordance with the Safety Data Sheet.

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