Calcium-D-Pantothenate

Vitamin B_5 (calcium D-pantothenate), pure

Chemical name(s) of active ingredient

Vitamin B_5, calcium D-pantothenate, calcium R-pantothenate

CAS-No.	137-08-6
EINECS-No.	205-278-9

PRD

30041195

Articles

50849500	25 kg bag
50089413	0.1 kg aluminum drums

Description

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

Benefits

Vegetarian/vegan[1], kosher, halal, allergen-free[2], gluten-free[3]

Composition

Calcium-D-pantothenate (vitamin B_5)

Solubility

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

Specification

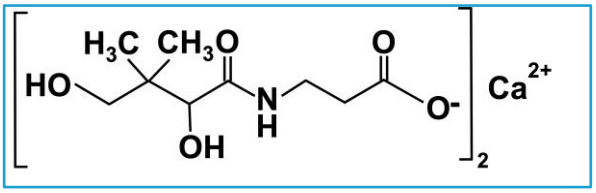
Assay	98.0 – 101.0%

For further information see *Product Specification* (not for regulatory purposes) available in BASF's MyBASFWorld:

https://my.basf.com/

Regulations

For quality documentation and compliance please see *Quality & Regulatory Product Information* and *Product Specification*. The product 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.



$C_{18}H_{32}CaN_2O_{10}$ **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 use in tablets, hard-shell capsules, syrups, gummies, bars and similar applications.

Calcium-D-Pantothenate is used in dry mixes (e.g. instank drinks), foods (e.g., confectionery, breakfast cereals, milk and dairy products) and beverages (e.g., fruit, vegetable and multivitamin juices, isotonic beverages).

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.

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. This product is not intended and recommended by BASF for use in food for infants and young children and has not been qualified by BASF for use in those applications with specific requirements. BASF is not testing or manufacturing the product to meet requirements which are applicable for these applications. BASF disclaims any representations, warranties and guarantees of fitness for such particular uses.

Note

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

[1] According to International Standard ISO 23662 on definitions and technical criteria for foods and food ingredients suitable for vegetarians or vegans and for labelling and claims.
[2] No labeling requirements with regard to allergens according to EU regulation (EC) No 1169/2011 (as amended) and the US Food Allergen Labeling and Consumer Protection Act (FALCPA).
[3] No ingredients used containing gluten. However, products are not explicitly tested on gluten.

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