

Dry Vitamin B₁₂ 0.1% GFP

Chemical names of active ingredient

Cyanocobalamin, vitamin B₁₂

CAS-No. 68-19-9

EINECS-No. 200-680-0

PRD-No.

30663190*

* The product is kosher and halal.

Articles

50493508 20 kg bag in box

Country of origin

Denmark

Description

Free-flowing, pink powder of almost spherical particles or agglomerates with a mild characteristic odor.

Composition

Ingredients in descending order of weight: maltodextrin, trisodium citrate, citric acid, Vitamin B₁₂ (cyanocobalamin).

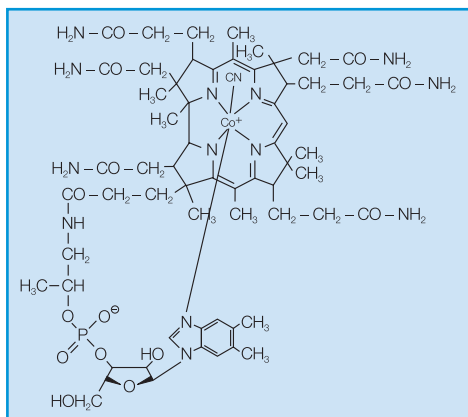
Solubility

The product is soluble in cold water.

Specification

Assay min. 0.10%

For further information see separate document: "Standard Specification" (not for regulatory purposes) available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).



C₆₃H₈₈CoN₁₄O₁₄P Molar mass 1355.4 g/mol

Monographs

The active ingredient Vitamin B₁₂ complies with the specification requirements stipulated in the current "Cyanocobalamin" of Ph. Eur. and "Cyanocobalamin" of USP monographs.

Regulations

The product meets the regulatory requirements for a vitamin B₁₂ source in most countries. However, regulations on the ingredients used in the respective countries and for the intended use have to be observed.

Bulk density

Approx. 0.5 g/ml

Stability

The stability of the product in formulations is excellent even in the presence of minerals or other aggressive components. Stored in its original packaging at room temperature (max. 25 °C), the product is stable for at least 36 months.

Storage/Handling

The product should be stored in the original packaging at room temperature (max. 25 °C), in a dry, dark place.

Applications

Dietary supplements:

The product is particularly suitable for use in tablets and hard gelatin capsules. Due to the small particle size and relatively low vitamin B₁₂ content of the dry powder, the vitamin can be distributed very homogeneously even in formulations with a low active content. The product is suitable for use in powder preparations, which are dissolved in water or milk prior to use.

Food products:

The dry powder is especially suitable for use in powder food products, which are dissolved in water or milk prior to consumption. It can also be used in vitamin mixtures in the food ingredients industry.

Note

Dry Vitamin B₁₂ 0.1% GFP must be handled in accordance with the Safety Data Sheet.

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