

Xangold® 10% CWD NH

Microencapsulated lutein esters from marigold flowers (*Tagetes erecta*), beadlets

Chemical name(s) of active ingredient

Lutein, lutein esters

CAS-No. 547-17-1

EINECS-No. 208-916-4

PRD

30695676

Articles

50570663 25 kg bag in box
50671361 0.05 kg plastic film bags

Description

Free-flowing, cold water-dispersible, dark-orange beadlet powder containing natural, mixed carotenoid esters. The carotenoid esters are obtained from marigold flowers (*Tagetes erecta*) and comprise primarily lutein esters.

Benefits

Allergen-free, gluten-free, plant-based

Composition

Ingredients in descending order of weight: fish gelatin, sucrose, corn starch, lutein (total carotenoid esters), tricalcium phosphate, sunflower oil, sodium ascorbate, tocopherol-rich extract

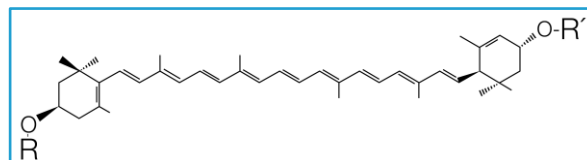
Solubility

The product can be scattered into stirred cold water, to obtain a fine dispersion with yellow color.

Specification

total carotenoid esters min. 10.0% (weight)

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



R, R' = mainly C₁₅H₃₁CO-, 1056.5 g/mol

Lutein dipalmitate 1045.7 g/mol
C₇₂H₁₁₆O₄

Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). The active ingredient of Xangold® 10% CWD NH complies with the current FCC monograph 'Tagetes extract', the current JECFA specification 'Lutein esters from *Tagetes erecta*', INS 161b(iii) and the current specification 'Lutein', E 161b of the European Regulation (EU) No 231/2012. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use.

Bulk density

Approx. 0.6 g/ml

Stability and storage

Carotenoids are sensitive to light, heat and oxygen and need to be stored in a light-proof and airtight container. Stored in the unopened, original packaging at temperatures not above 25 °C, in a dry place, the product is stable for at least 36 months.

Handling

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

Applications

For tablets such as effervescent tablets and other similar applications. The product shows an excellent stability even in the presence of minerals. It has a high mechanical integrity and little or none of the beta-carotene is expressed during tableting, resulting in good stability of the tablets. For best tableting results, use direct compression without wet granulation. Due to its excellent dispersibility in cold water the product is easy to handle and suitable for dry mixes (e.g. instant drinks), confectionary, baked goods, dairy products, other foods, and for beverages.

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 medical nutrition or infant nutrition. 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.

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