

Xangold® 30%

Chemical names of active ingredient

Lutein
Lutein esters

CAS-No. 127-40-2

EINECS-No. 204-840-0

PRD-No.

30535489

* The product is kosher.

Articles

50241512 10 kg plastic drum

Country of origin

Ecuador

Description

Dark, reddish-brown suspension containing natural mixed carotenoid esters isolated from marigold flowers (*Tagetes erecta*). The esters comprise primarily lutein esters.

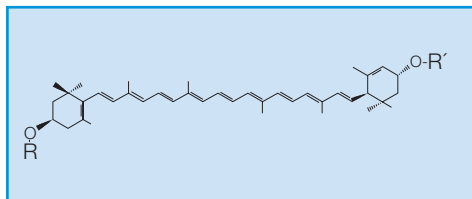
Typical Profile as Esters

Total Carotenoid Esters	min.	300.0 mg/g
Lutein Esters*	approx.	284.0 mg/g
Zeaxanthin Esters*	approx.	14.5 mg/g

* Typical values, not determined regularly.

Theoretical Profile as Free Carotenoids (chemical conversion converts the carotenoid esters to free carotenoids)

Total Carotenoids	161.0 mg/g
Lutein	152.0 mg/g
Zeaxanthin	8.2 mg/g



R, R' = mainly C₁₃H₂₇CO-, C₁₅H₃₁CO-,
C₁₇H₃₅CO-Average Molar mass 1056.5 g/mol
Main constituent: Lutein dipalmitate
C₇₂H₁₁₆O₄ Molar mass 1045.7 g/mol

Composition

Ingredients in descending order of weight:
Soybean oil, lutein, tocopherol-rich extract,
ascorbyl palmitate.

Solubility

Soluble in hexane, benzene and chloroform;
partially soluble in ethanol; sparingly soluble in
oils and fats; insoluble in water.

Specification

Assay (content of natural min. 300 mg/g
mixed carotenoid esters)

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

Regulations

Lutein esters are approved for use as a food
colorant and as a nutritional ingredient in most
countries.

However, specific regulations on the ingredients
used in the respective countries and for the
intended use have to be considered.

Stability, Storage and Handling

Stored in the unopened original packaging at ambient temperature (max. 25 °C) in a dry place, the product is stable for at least 36 months.

Carotenoids are sensitive to light, heat and oxygen and need to be stored in a light proof and airtight container.

As Xangold® 30% is a suspension, settling of crystals may occur during storage. Therefore, it is strongly recommended that the container contents are warmed and mixed thoroughly before sampling or use.

Applications

Dietary supplements:

Xangold® 30% as a source of lutein esters may be formulated in different kinds of dietary supplements, such as single entity or multi-ingredient products.

Food products and beverages:

The product can be used in foods and beverages to impart color to the final products.

Note

Xangold® 30% must be handled in accordance with the Safety Data Sheet.

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