Xangold® 15%

Lutein esters from marigold flowers (*Tagetes erecta*) in soybean oil

Chemical name(s) of active ingredient

Lutein, lutein esters

CAS-No.	547-17-1
EINECS-No.	208-916-4

PRD

30528305

Articles

50241145	10 kg plastic pail
50242332	0.05 kg aluminum bottle

Description

Dark, reddish-brown suspension of natural, mixed carotenoid esters in soybean oil. The carotenoid esters are obtained from marigold flowers (*Tagetes erecta*) and comprise primarily lutein esters. The product is packed under inert gas.

Benefits

Vegetarian/vegan[1], kosher, halal, allergen-free[2], gluten-free[3], plant-based[4], naturally-derived[5]

Composition

Ingredients in descending order of weight: soybean oil, lutein (total carotenoid esters), tocopherol-rich extract, ascorbyl palmitate

Solubility

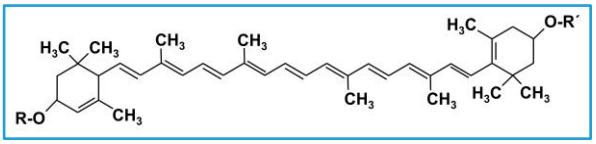
Soluble in hexane, benzene and chloroform; partially soluble in ethanol; sparingly soluble in oils and fats; insoluble in water.

Specification

total carotenoid esters	min. 15.0% (weight)

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

https://my.basf.com/



R, R‘ = mainly $C_{15}H_{31}CO$-, **1056.5 g/mol**

Lutein dipalmitate **1045.7 g/mol**
$C_{72}H_{116}O_4$

Regulations

For quality documentation and compliance please see *Quality & Regulatory Product Information* and *Product Specification*. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use.

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

The product is a suspension, therefore sedimentation may occur after prolonged storage. It is strongly recommended that the suspension in the container is warmed and mixed thoroughly prior to sampling or use. Once opened, it is recommended to flush the packaging with an inert gas and to use the remaining contents as quickly as possible.

Applications

For use in oily blends, softgels, syrups, gummies and liquid supplements.

Xangold® 15% is also used for the fortification of foods (e.g., cooking oils, fats, spreads, dairy products) as well as in color emulsions.

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.
[4] Main / active ingredient originating from plants (including vegetables, fruits, whole grains, nuts, seeds, mushrooms and algae). May contain formulation ingredients not from plants.
[5] Main / active ingredient originating from natural materials. May contain formulation ingredients not matching “natural” definition.

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