

# Lutein 20% SAF

Free lutein from marigold flowers (*Tagetes erecta*), in safflower oil

## Chemical name(s) of active ingredient

Lutein,  $\beta$ - $\epsilon$ -carotene-3,3'-diol (3R,3'R,6'R)

**CAS-No.** 127-40-2

**EINECS-No.** 204-840-0

## PRD

30683669

## Articles

50544889	10 kg plastic pail
50544903	0.05 kg aluminium drums

## Description

Orange suspension of free lutein from marigold flowers (*Tagetes erecta*) in safflower oil. The product is packed under inert gas.

## Benefits

Vegetarian, kosher, halal, allergen-free, gluten-free, plant-based, naturally-derived

## Composition

Ingredient in descending order of weight: safflower oil, lutein, *all-rac*-alpha-tocopherol (dl-alpha-tocopherol)

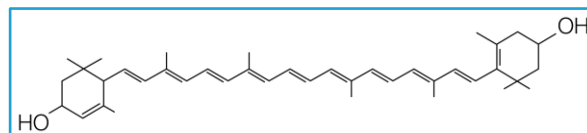
## Solubility

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

## Specification

Lutein, free	min. 20.0 g/100g
Zeaxanthin, free	1.0 to 2.0 g/100g

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



**C<sub>40</sub>H<sub>56</sub>O<sub>2</sub>**

**568.9 g/mol**

## Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). Lutein 20% SAF complies with the acceptance criteria specified in the current individual USP monograph for "Lutein Preparation". The active ingredient of Lutein 20% SAF complies with the acceptance criteria specified in the current individual USP monograph for "Lutein". It also complies to the current specification for "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.

## Stability and storage

Lutein is sensitive to light, heat and oxygen and needs 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 24 months.

## Handling

The product is a suspension, therefore settling of carotenoid crystals 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 soft gel capsules and for the fortification of various foods.

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.

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