

Tonalin® 54 H

Chemical name of active ingredient

Conjugated Linoleic Acid (CLA)

CAS-No.

2540-56-9 cis-9, trans-11 CLA

2420-56-6 trans-10, cis-12 CLA

PRD-No.

30543669

Articles

50242127 20 kg paper bag

Country of origin

USA

Description

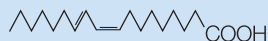
Tonalin® 54 H is a white to off-white powder with characteristic taste and odor. It is made by spray drying Tonalin® TG 80 onto corn syrup solids and sodium caseinate and contains min. 54% conjugated linoleic acid. Tonalin is derived from safflower oil. Tonalin® 54 H contains a 50:50 ratio of the active conjugated linoleic acid isomers (C18:2, c9, t11 and C18:2 t10, c12). It is intended for use in the dietary supplement and food industry.

Composition

Ingredients in descending order of weight: Conjugated linoleic acid glycerides from safflower oil, glucose syrup, sodium caseinate, silicon dioxide, dipotassium phosphate, tocopherol-rich extract (E 306), ascorbyl palmitate (E 304)

Solubility

Water dispersible.



CLA cis-9, trans-11

cis-9, trans-11 conjugated octadecadienoic acid



CLA trans-10, cis-12

trans-10, cis-12 conjugated octadecadienoic acid

$C_{18}H_{32}O_2$

Molar mass 280.44 g/mol

Specification

Assay

Content Conjugated 540 – 600 mg/g
Linoleic Acid (CLA)

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

Standards

Product is kosher and halal. Produced under SQF code including 21 CFR 110 cGMP and FDA food manufacturing registration.

Regulations

Conjugated linoleic acid is approved for use as a dietary supplement ingredient in most countries. However, specific regulations on the product and its ingredients in the respective countries and for its intended use have to be observed. Tonalin® 54 H contains ingredients derived from genetically modified raw materials and is thus subject to labeling under EU Regulations (EC) 1829/2003 and 1830/2003.

Stability, Storage and Handling

For food applications: stored in its unopened original packaging at refrigerated conditions (4 – 8 °C for maintaining the fresh taste in food and beverages), the product is stable for at least 24 months.

For dietary supplements: at max. 25 °C the product is stable for at least 24 months.

The product is sensitive to oxygen, moisture, light and heat. It should therefore be stored in the tightly sealed, lightproof packaging in a dry and cool place. Once opened, it is recommended to use the remaining contents as quickly as possible.

Applications

Dietary supplements:

Tonalin® 54 H is intended for use in dietary supplements selected applications are instant powder mixes or nutrition bars. It is not recommended for use in tablets because it will not withstand the pressure applied during high-speed tableting.

Food and beverages:

Tonalin® 54 H is also intended for use in functional food and functional beverages. It is almost neutral in taste and odor and is an ideal form for conjugated linoleic acid in food applications.

Notes

Tonalin® 54 H must be handled in accordance with the Material Safety Data Sheet.

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