

# Tonalin® TG 80 C

## 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.

30662328

## Articles

50492011 185 kg steel drum

\*packed under inert gas

## Country of origin

Germany



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

## Description

Tonalin® TG 80 C is a clear, fully transparent, colorless to slightly yellow oil at room temperature with characteristic taste and odor. It is comprised of glycerides containing typically 80% conjugated linoleic acid. Tonalin® TG 80 C is derived from safflower oil and contains a 50:50 ratio of the active conjugated linoleic acid isomers (C18:2 c9, t11 and C18:2 t10, c12).

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We create chemistry

## Composition

Ingredients in descending order of weight:  
Conjugated linoleic acid glycerides from safflower oil,  
tocopherol-rich extract (E 306).

## Solubility

Insoluble in water; sparingly soluble in ethanol,  
miscible with organic solvents, vegetable oils and  
fats.

## Specification

Assay

CLA content 750 – 800 mg/g

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  
ISO 9001, FSSC 22000 Certification.

## 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® TG  
80 C is derived from not genetically modified raw  
materials and is thus not 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 36 months.

For dietary supplements: at max. 25 °C the  
product is stable for at least 36 months.

The product is sensitive to atmospheric oxy-  
gen, light and heat. It should therefore be  
stored in the tightly sealed, lightproof pack-  
aging in a cool place. Once opened, it is rec-  
ommended to use the remaining contents as  
quickly as possible.

## Applications

### Dietary supplements:

Tonalin® TG 80 C is intended for use in supplements,  
it is recommended for use in liquid preparations  
such as pure oils, sirups or one-shot supplement  
beverages.

### Food and beverage products:

Tonalin® TG 80 C is also intended for use in functional  
food and functional beverages with dairy products  
being the main category. It is almost neutral in taste  
and odor and is an ideal form for conjugated linoleic  
acid in food applications.

## Notes

Tonalin® TG 80 C must be handled in accordance  
with the Material Safety Data Sheet.

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