

Tonalin® FFA 80

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

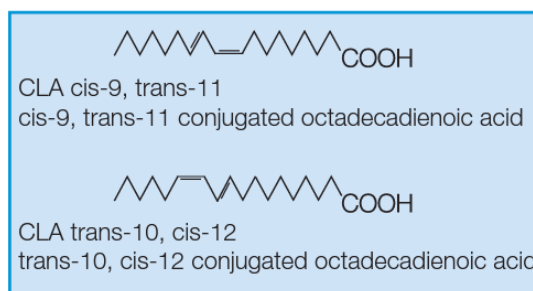
PRD-No.

30531864

Articles*

50209561	25 kg steel drum
50209560	185 kg steel drum
50754417	900 kg composite IBC

*packed under inert gas



$C_{18}H_{32}O_2$

Molar mass 280.44 g/mol

Country of origin

Germany

Description

Tonalin® FFA 80 is a clear, fully transparent, colorless to slightly yellow liquid oil at room temperature with characteristic taste and odor. It consists of free fatty acids of which typically 80 % are conjugated linoleic acid. Tonalin® FFA 80 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).

Composition

Ingredients in descending order of weight:
Conjugated linoleic acid 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	78 - 84 %

For further information see separate document: "Standard Specification" (not for regulatory purposes).

Standards

Product is kosher and halal. Produced under ISO 9001, FSSC 22000.

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® FFA 80 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

Stored in its unopened original packaging at ambient temperatures (max. 25°C), the product is stable for at least 36 months. The product is sensitive to atmospheric oxygen, light and heat. It should therefore be stored in the tightly sealed, lightproof packaging in a cool place. After opening of the original packaging, it should be repacked under inert gas. Usage as quickly as possible is recommended. Precipitation may occur at temperatures below 15 °C. This will not affect the quality of the product. Precipitation can be reverted by warming gently to 30 – 40 °C under nitrogen atmosphere and agitation. Warming for up to 24 h may be required to achieve complete dissolution depending on the degree of solidification and container size. Conjugated linoleic acid is a drying oil that can polymerize in presence of oxygen, specifically if it gets into contact with blank metals such as iron, brass, copper etc. Processing and/or handling equipment in contact with conjugated linoleic acid should be of inert material such as stainless steel. Spills should be cleaned for example with water and detergent to avoid stains or varnishes of dried oil on equipment/packaging.

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Applications

Dietary supplements:

Tonalin® FFA 80 is intended for use in dietary supplements. Ideal for use in dosage forms such as soft gelatin capsules in which the product is protected against oxidation.

Notes

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

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