

SPECIFICATION SHEET

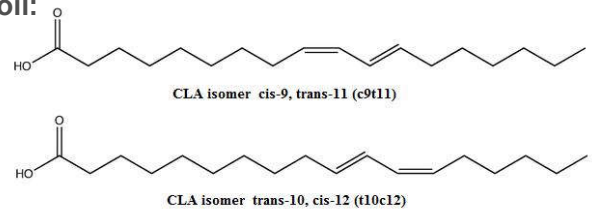
Conjugated Linoleic Acid TG 80% Oil (CLA-TG80)

Chemical Properties of the typical CLA free acids in the TG oil:

Chemical Formula: $C_{18}H_{32}O_2$

CAS: 2420-56-6

Molecular Weight: 280.45



GENERAL CHARACTERISTICS

Description	Conjugated Linoleic Acid refers to a family of chemicals with conjugated double bonds found in the linoleic acid. And it is purified by molecular distillation technology. CLA Tyglycerides (CLA-TG) are produced by esterification of glycerol with conjugated linoleic acid and are more natural and stable. Conjugated linoleic acid is used for treating cancer, "hardening of the arteries" (atherosclerosis), obesity and weight loss caused by chronic disease. It is good for bodybuilding and limiting food allergy reactions.
Appearance	Light yellow oil

ANALYTICAL CHARACTERISTICS

C16:0 (Palmitic acid)	Max 9%
C18:0 (Stearic acid)	Max 4%
C18:1 c9 (Oleic acid)	8~16%
C18:2 c9,c12 (Linoleic acid)	Max 3%
C18:2, conjugated (CLA)	78.0~84.0%
C18:2, conjugated c9,t11 (CLA isomer)	Min 34%
C18:2, conjugated t10,c12 (CLA isomer)	Min 36%
CLA, other isomers	Max 10%
Color	Red < 5, Yellow < 10
Saponification Index	185~195 mg/g
Unsaponifiable Matters	Max 1.0%
Acid Value	Min 4 mg KOH/g

Peroxide Value	Max 10meq/kg
Moisture	Max 0.5%
Pb	Max 0.1 ppm
Hg	Max 0.02 ppm
Cd	Max 0.02 ppm
Sn	Max 10 ppm

MICROBIAL CHARACTERISTICS

Total plate count	Max 1000 CFU/g
Yeasts and molds	Max 100 CFU/g
Coliform	Max 10 CFU/g
<i>E. Coli</i>	Negative
<i>Salmonella</i>	Negative
<i>Staphylococcus</i>	Negative

USES RECOMMENDATIONS

Conjugated Linoleic Acid TG 80% Oil (CLA-TG80) can be used in dietary supplement.

HANDING RECOMMENDATIONS

If the product has been transported or stored at temperature that result in precipitation, please follow this procedure to ensure a homogenous product before use. Gently warm the product to 30°C to 40°C (86° to 104° F) under stirring and nitrogen flushing to dissolve the precipitation. Please note that a fairly solid precipitation may require a longer time to complete dissolution.

PACKING & SHELF LIFE

Package:	25kg/drum or 180kg/drum.
Storage:	Keep container tightly closed and dry; store in a cool place.
Shelf life:	2 years if sealed and stored properly.