

MCTGaia™ POS

Natural Palm Medium Chain Triglycerides (60/40) Oil Suspension

Applications - Dietary Supplement (Soft Gelatin & Liquid Capsule); Emulsion / Liposome; Functional Food and Drink; Cosmetic Products and Pet Foods.

Description

MCTGaia™ POS - natural palm medium chain triglycerides is a Non-GMO, vegetarian oil suspension of natural medium chain triglycerides. It's a glycerol molecule attached to fatty acid chains ranging between 6 to 12 carbons in length.

MCTGaia™ POS contains predominantly of caprylic acid (C8), capric acid (C10) and lauric acid (C12). It is extracted and concentrated from palm kernel oil / palm fruits (*Elaeis guineensis*).

The unique combination of these medium chain triglycerides complex in its natural proportion and their synergistic effects are responsible for the many beneficial health effects associated with caprylic acid (C8), capric acid (C10) and lauric acid (C12).

Specification

TOTAL FATTY ACID COMPOSITION	1000 mg/g (100%)
Fatty Acid	
Caprylic Acid (C8)	53 % Minimum
Capric Acid (C10)	36 - 47 %
Lauric Acid (C12)	1.5 % Maximum
Acid Value	0.1 mg KOH/ g Maximum
Saponification Value	325 – 345 mg KOH/ g Maximum
Iodine Value	1.0 g I ₂ / 100g Maximum
Hydroxyl Value	10 mg KOH/ g Maximum
Colour (APHA)	50 Maximum
MOISTURE	0.15 % Maximum
Relative Density	0.93 – 0.96
MICROBIOLOGY	
- Total Viable Aerobic Count	Max 1000 cfu/g
- Total Combined Molds & Yeast	Max 100 cfu/g
Heavy Metals	Max 10 ppm

*Typical Value refers to the average analytical results accumulated over a period of time.

SHELF LIFE	24 months	LABELLING	Products formulated with MCTGaia™ POS can be labelled as containing Medium Chain Triglycerides or Medium Chain Triglycerides (Palm).
PACKAGING	Available in Bulk, IBC 900kg and Drums.	STANDARDS	Medium Chain Triglycerides (MCTs) are self-affirmed GRAS for use in foods and drinks. European Pharmacopoeia recognises MCTs sourced from coconut (<i>Cocos nucifera</i>) and palm kernel (<i>Elaeis guineensis</i>) oil.
STORAGE	Store in airtight containers, below room temperature, away from sunlight		

Technical Support

PhytoGaia's Product Development Team is ready to assist you in the use of our range of phytonutrients in your formulations at every stage of your product development. Strong emphasis is given to supplying the most cost effective and efficient solution to your specific requirements. Please do contact us for further information and technical support.

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