

# Algarithm™

## Product Data Sheet: thetamega<sup>3</sup> 650 r-TG

**Product Name:** thetamega<sup>3</sup> 650 r-TG

**Product Lot:** 0000

**Production Date:** Month Date, Year

**Product Code & Pack Size:**

SIZE (KG)	PACKAGE CONTAINER	PRODUCT CODE
1	Aluminum Container	310086
27	Plastic Pail	310087
190	Metal Drum	310088

**Ingredients:** Fully-winterized algal oil, sunflower lecithin, sunflower oil, mixed tocopherol, rosemary extract ascorbyl palmitate.

**Description:** DHA-rich triacylglycerols (TAG) are extracted from the marine algae, *Schizochytrium sp.*, in an aqueous-based, chemical-free process. The resulting oil is then further processed to meet the below quality parameters.

ANALYSIS	RESULT	SPECIFICATION	METHOD
<b>OMEGA-3 FATTY ACIDS</b>			
EPA		Min. 1 mg TG/g	AOAC 996.06
DHA		Min. 650 mg r-TG/g	AOCS Ce 1b-89
Total Omega-3		Min. 650 mg r-TG/g	
<b>PROPERTIES</b>			
Peroxide Value		Max. 5 meq/kg oil	AOCA Cd 8-53
p-Anisidine Value		Max. 15	ISO 6885
TOTOX Value		Max. 25	Calculated
Acid Value		Max. 1 mg KOH/g oil	Calculated
Moisture		Max. 0.05%	AOCS Ca 2e-84
Free Fatty Acids		Max. 0.5%	AOCS Ca 5a-40, AOAV 940.28
Unsaponifiable		Max. 4.5%	AOCS Ca 6a-40
Colour		Max. 8	AOCS Td 1a-64
Appearance		Clear to light yellow	
Aroma		Characteristic	
Clarity		Clear	
<b>HEAVY METALS</b>			
Arsenic (As)		Max. 0.05 ppm	AOAC 2013.06
Cadmium (Cd)		Max. 0.01 ppm	
Lead (Pb)		Max. 0.01 ppm	
Mercury (Hg)		Max. 0.01 ppm	
<b>MICRO</b>			
Total Microbial Count		Max. 10 cfu/g	AOAC 990.12
E. Coli		Max. 10 cfu/g	AOAC 991.14
Salmonella		Negative	AOAC- RI 121501
Staphylococcus aureus		Max. 10 cfu/g	BAM Chapter 12
Yeast		Max. 10 cfu/g	BAM Chapter 18
Mold		Max. 10 cfu/g	BAM Chapter 18
<b>ANTI-OXIDANT</b>			
Mixed Tocopherols, Rosemary Extract & Ascorbyl Palmitate		2500-3500 ppm	Calculated

*Slight deviations of analytical data are within the tolerance limits of the methodology.*

**Stability & Storage:**

thetamega<sup>3</sup> is guaranteed to meet all product specifications when stored in the original, unopened container for up to 1 month at room temperature (+25°C), up to 12 months at refrigerated temperature (+4°C), and up to 24 months under frozen storage condition (-20°C) from the production date. For extended storage and for best sensory performance, frozen storage is recommended.

thetamega<sup>3</sup> should be thawed completely and mixed before use. Avoid oil temperatures exceeding 60°C/ 140°F during the thawing process for best sensory performance.

As the material thaws, some phase separation may occur. This will not negatively impact the quality of the product, but it is important that the container contents are mixed well prior to use. When possible, use the entire contents of the container at one time. Unused portions should be blanketed with nitrogen and stored frozen.

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**Signature**

**Date**

**Geeta Dinani**

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