



# alphamega<sup>3</sup>

## Specification Sheet

**Product Name:** AlphaMega<sup>3</sup>

**Product Lot:** N/A

**Expiry Date:** Two years from date of production

**Manufacturing Date:** N/A

**Pack Size(s):** 1kg Aluminum Canister, 18kg Pail, 190kg Metal Drum

**Ingredients:** algal oil, mixed tocopherol

**Description:** DHA-rich Tri Acyl Glycerols (TAG) are extracted in an aqueous-based process—no chemical solvents are used. The resulting oil is then bleached and deodorized to meet the below quality parameters.

ANALYSIS	SPECIFICATION	METHOD
<b>Omega-3 Fatty Acids</b>		<b>AOCS Ce 1f-96</b>
EPA	Min. 1%	
EPA	Min. 10mg/g	
DHA	Min. 40%	
DHA	Min. 400 mg/g	
Total Omega-3	Min. 42%	
Total Omega-3	Min. 410mg/g	
Trans Fatty Acids	Max. 1% w/w	
<b>Properties</b>		
Peroxide Value	0 - 5meq/kg oil	AOCS Cd 8b-90
p-Anisidine Value	0 - 9	ISO 6885
TOTOX Value	0 - 13	Calculated
Acid Value	0 - 1mg KOH/g oil	Calculated
Moisture	<0.05%	Instrument Method
Insoluble Impurities	<0.05%	AOCS Ca 3a-46
Free Fatty Acids	0 - 0.5%	AOCS Ca 5a-40
Colour (Gardner)	0 - 6	AOCS Cc 13j-97, (AOCS Td 1a-64)
Unsaponifiable Matter	0 - 4.5%	AOCS Cc 11-53

Smart source of plant-based omega-3

Chart continued

ANALYSIS	SPECIFICATION	METHOD
<b>Heavy Metals</b>		
Arsenic (As)	Max. 0.05 ppm	Completed by a third-party lab
Cadmium (Cd)	Max. 0.01 ppm	
Lead (Pb)	Max. 0.01 ppm	
Mercury (Hg)	Max. 0.01 ppm	
Iron	Max. 0.02 ppm	
Copper	Max. 0.05 ppm	
<b>Micro</b>		
Total Plate Count	<5 cfu/g	Completed by a third-party lab
E. Coli	<5 cfu/g	
Salmonella	Neg	
Staphylococcus Aureus	<5 cfu/g	
Yeast	<5 cfu /g	
Mold	<5 cfu/g	
<b>Anti-Oxidant</b>		
Mixed Tocopherols	1500 - 2500 ppm	Internal Method

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

### Stability and Storage

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

AlphaMega<sup>3</sup> should be thawed completely and mixed well 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.

