



# alphamega<sup>3</sup> 530

## Specification Sheet

**Product Name:** AlphaMega<sup>3</sup> 530

**Product Lot:** N/A

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

**Manufacturing Date:** N/A

**Pack Size(s):** 190kg metal drums

**Ingredients:** Algal oil, mixed tocopherol, rosemary extract, ascorbyl palmitate

**Description:** DHA rich triglycerides are extracted in an aqueous based process. The resulting oil is then refined, bleached and deodorized to meet the below quality parameters and/or blended with an algal oil ethyl ester concentrate.

ANALYSIS	SPECIFICATION	METHOD
<b>Omega-3 Fatty Acids</b>		<b>AOCS Ce 1i-07, Ce 1b-89</b>
EPA	Min. 5 mg TG/g	
DHA	Min. 530 mg TG/g	
Total Omega-3	Min. 550 mg TG/g	
Triglycerides	Min. 60%	Internal Method
<b>Properties</b>		
Peroxide Value	0 - 5meq/kg oil	AOCS Cd 8b-90
p-Anisidine Value	0 - 15	ISO 6885
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 - 8	AOCS Cc 13j-97, (AOCS Td 1a-64)

Omega-3s FIGURED OUT

Chart continued

ANALYSIS	SPECIFICATION	METHOD
<b>Heavy Metals</b>		
Arsenic (As)	Max. 0.05 ppm	
Cadmium (Cd)	Max. 0.01 ppm	AOCS Ca 20-99, AOCS Ca 17-01 (modified)
Lead (Pb)	Max. 0.01 ppm	
Mercury (Hg)	Max. 0.01 ppm	
<b>Micro</b>		
Total Microbial Count	<5 cfu/g	Completed by a third-party lab MFHPB-33
E. Coli	<5 cfu/g	MFHPB-34
Salmonella	Neg	MFHPB-20
Staphylococcus Aureus	<5 cfu/g	MFLP-21
Yeast	<5 cfu /g	MFHPB-22
Mold	<5 cfu/g	MFHPB-22
<b>Anti-Oxidant</b>		
Mixed Tocopherols, Rosemary Extract & Ascorbyl Palmitate	1500 - 3000 ppm	Internal Method

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

### Stability and Storage

AlphaMega<sup>3</sup> 530 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.

