

Algorithm™

Product Data Sheet: alphamega³ 400 3AOX

Product Name: alphamega³ 400 3AOX

Product Lot: 0000

Production Date: Month Day, Year

Product Code & Pack Size:

SIZE (KG)	PACKAGE CONTAINER	PRODUCT CODE
1	Aluminum Bottle	310037
10	Plastic Pail	310038
190	Metal Drum	310040

Ingredients: Fully winterized algal oil, rosemary extract, mixed tocopherols, sunflower lecithin, sunflower oil, 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.

SIZE (KG)	SPECIFICATION	METHOD
OMEGA-3 FATTY ACIDS		
EPA	Min. 10 mg TG/g	AOAC 996.06
DHA	Min. 400 mg TG/g	AOCS Ce 1b-89
Total Omega-3	Min. 410 mg TG/g	
Trans Fatty Acids	Max. 1% w/w	
PROPERTIES		
Peroxide Value	Max. 5 meq/kg oil	AOCS Cd 8-53
p-Anisidine Value	Max. 9	ISO 6885
TOTOX Value	Max. 19	Calculated
Acid Value	Max. 1 mg KOH/g oil	AOCS Cd 3d-63
Moisture	Max. 0.05%	AOCS Ca 2e-84
Free Fatty Acids	Max 0.5%	AOCS Ca 5a-40, AOAC 940.28
Unsaponifiable	Max. 4.5%	AOCS Ca 6a-40
Color (Gardner)	Max. 6	AOCS Td 1a-64
Appearance	Light yellow to orange	
Aroma	Characteristic	
Clarity	Clear	
HEAVY METALS		
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	
MICRO		
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
ANTIOXIDANT		
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:

alphamega³ 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.

alphamega³ 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.