



AlphaMega³



Product Data Sheet

Product Name: AlphaMega³

Product Lot:

Expiry Date: 2 years from date of production

Manufacturing Date:

Pack Size: 18kg pail, 190kg metal drums or 950kg totes

Ingredients: Algal Oil, Mixed Tocopherol

Description: DHA rich triglycerides are extracted in an aqueous based process, no chemical solvents are used. The resulting oil is then refined, bleached and deodorized to meet the below quality parameters.

ANALYSIS

SPECIFICATION

METHOD

Omega 3 Fatty Acids

| | | |
|-------------------|---------------|---------------|
| EPA | Min. 1% | AOCS Ce 1f-96 |
| EPA | Min. 10 mg/g | |
| DHA | Min. 40% | |
| DHA | Min. 400 mg/g | |
| Total Omega 3 | Min. 42% | |
| Total Omega 3 | Min. 410 mg/g | |
| Trans Fatty Acids | Max. 1% w/w | |

Properties

| | | |
|---------------------------------|-------------------|----------------------------------|
| Peroxide Value | 0 - 5 meq/kg oil | AOCS Cd 8b-90 |
| p-Anisidine Value | 4 - 9 | ISO 6885 |
| Totox | Max. 13 | Calculated |
| Acid Value | 0 - 1mg KOH/g oil | Calculated |
| Moisture & Insoluble Impurities | 0 - 0.05% | Instrument Method, AOCS Ca 3a-46 |
| Free Fatty Acids | 0 - 0.5% | AOCS Ca 5a-40 |
| Color (Gardner) | 2 - 6 | AOCS Cc 13j-97, (AOCS Td 1a-64) |
| Unsaponifiable Matter | Max. 4.5% | |

Heavy Metals

| | | |
|--------------|---------------|--------------------------------|
| 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 | |

Micro

Completed by a third party lab

| | |
|-----------------------|-----------|
| Total Plate Count | <5 cfu/g |
| E.Coli | <5 cfu/g |
| Salmonella | Neg |
| Staphylococcus aureus | <5 cfu/g |
| Yeast | <5 cfu /g |
| Mold | <5 cfu/g |

Anti-Oxidant

| | | |
|-------------------|-----------------|-----------------|
| Mixed Tocopherols | 1500 – 2500 ppm | Internal Method |
|-------------------|-----------------|-----------------|

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

Stability and 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 conditions (-20 °C). For extended storage and for best sensory performance, frozen storage is recommended.

AlphaMega³ 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.