

Description:

Shelf life: 3 years from date of production

High DHA concentrate on triglyceride (TG) basis made from algae oil. The product is liquid at room temperature. The specification is a min 90% TG product with 2.5-5.0 mg/g of mixed tocopherols added. The mixed tocopherol (E306) is of non –GMO and identity preserved quality.

Parameter	Unit	Limit	Specification	Method	Remark
C20:5n3 (EPA)	Area%	report		GCRO001	1
	mg/g as TG	report		GCRO001	1
	mg/g as FFA	report		GCRO001	1
C22:6n3 (DHA)	Area%	report		GCRO001	1
	mg/g as TG	min	700	GCRO001	1
	mg/g as FFA	min	674	GCRO001	1
C22:5n6 (DPA n6)	Area%	report		GCRO001	1
	mg/g as TG	report		GCRO001	1
	mg/g as FFA	report		GCRO001	1
EPA+DHA	mg/g as TG	range	700-800	GCRO001	1
	mg/g as FFA	range	674-770	GCRO001	1
Total omega-3	Area%	report		GCRO001	1
	mg/g as TG	min	700	GCRO001	1
	mg/g as FFA	min	674	GCRO001	1
Trans fat	w/w %	max	1	GCRO024	1
Acid value	mg KOH/g	max	0.5	GCRO003	1
Free fatty acid	w/w%	max	0.25	GCRO003	1
Peroxide value (PV)	mEq/kg	max	2.0	GCRO006	1
Anisidine value (AV)	Units	max	8	GCRO007	1
Totox (2 x PV + AV)	Units	max	9	Calculation	1
Color	Gardner	max	5	GCRO004	1
Cold test	3 Hours / 0°C	report		GCRO005	1
Absorbance at 233 nm	Units	max	0.6	GCRO022	1
Oligomers	Area %	max	1.0	GCRO023	1
Triglycerides	Area %	min	90	GCRO023	1
Ethyl Esters	Area %	report		GCRO023	1
Total Cholesterol	mg/g	report		GCRO004	1
Unsaponifiable matter	w/w %	max	4.5	GCRO008	2
Water content	w/w %	max	0.05	GCRO014	1

Remarks:

- 1) Parameter analyzed in accordance with specified method on every batch, and reported on Certificate of Analysis.
- 2) Parameter is analyzed at least 3 times/year. Conformity is reported in Certificate of Analysis.



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Parameter	Unit	Limit	Specification	Method	Remark
Environmental parameters:					
Dioxins and furans	ng/kg WHOTEQ (2005)	max	1.0	External Laboratory	2
Dioxin-like PCBs	ng/kg WHOTEQ (2005)	max	1.5	External Laboratory	2
Sum of Dioxins, furans and Dioxin-like PCBs	ng/kg WHOTEQ (2005)	max	3.0	External Laboratory	2
PCBs (209 Congeners)	mg/kg	max	0.03	External Laboratory	2
Benzo(a)pyrene	µg/kg	max	1.0	External Laboratory	2
Sum PAH4	µg/kg	max	2.0	External Laboratory	2
Arsenic (As)	mg/kg	max	0.1	External Laboratory	2
Cadmium (Cd)	mg/kg	max	0.1	External Laboratory	2
Lead (Pb)	mg/kg	max	0.05	External Laboratory	2
Mercury (Hg)	mg/kg	max	0.04	External Laboratory	2
Pesticides:*	mg/kg	max	0.01	External Laboratory	2
Microbiological parameters:					
Total aerobic microbial count	cfu/1 g	max	10 ³	External Laboratory	2
Total yeast and mould count	cfu/1 g	max	10 ²	External Laboratory	2
<i>Staphylococcus aureus</i>	cfu/1 g	max	Absent	External Laboratory	2
<i>Escherichia coli</i>	cfu/1 g	max	Absent	External Laboratory	2
<i>Salmonella spp</i>	cfu/10 g	max	Absent	External Laboratory	2
Bile-tolerant Gram neg.(<i>Enterobacteriaceae</i>)	cfu/1 g	max	10 ²	External Laboratory	2
<i>Pseudomonas aeruginosa</i>	cfu/1 g	max	Absent	External Laboratory	2

Remarks:

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*Pesticides are tested as specified in "pesticide specification attachment" which is available on request.

The limit of 0.01 mg/kg applies to each pesticide.

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