



PRODUCT TESTING REPORT

Source Oil, Lot#BY190801

Date received: 27-Aug-2019

NDI#: 12982019


Analysis for:

Source-Omega LLC


260 E. Forest Ave.

South Lebanon, OH 45065

Date: 06-Sep-2019



Kevin Yan, M.Sc.
Director, Certification and Analytics
Dated: 06/09/2019



Hyun Ah Kim
Sample Processing Technician
Dated: 06/09/2019

Oxidation Analysis

Component	Analytical Method	Specification	Result	Units	Meets Specification
Anisidine Value (AOCS)	AOCS Cd 18-90	≤ 20	11.3		Yes
Peroxide Value	AOCS Cd 8b-90	≤ 5	0.11	meq/kg	Yes
Total Oxidation	Calculation	< 26	11.52		Yes

Essential Fatty Acid Profile

Fatty Acid as TG		mg per g	%
C4:0	Butyric Acid	0.00	0.0
C6:0	Caproic Acid	1.28	0.1
C8:0	Caprylic Acid	0.14	0.0
C10:0	Capric Acid	0.28	0.0
C12:0	Lauric Acid	0.87	0.1
C14:0	Myristic Acid	8.99	1.0
C14:1	Myristolic Acid	0.63	0.1
C15:0	Pentadecanoic Acid	0.84	0.1
C16:0	Palmitic Acid	187.32	20.2
C16:1	Palmitoleic Acid	3.73	0.4
C18:0	Stearic Acid	10.66	1.1
C18:1	Oleic Acid	18.11	2.0
C18:2N6	Linoleic Acid	1.79	0.2
C18:3N6	Gamma-linolenic Acid	1.20	0.1
C18:3N3	Alpha-linolenic Acid	1.59	0.2
C18:4N3	Stearidonic Acid	2.87	0.3
C20:0	Arachidic Acid	1.93	0.2
C20:1	Eicosenoic Acid	0.25	0.0
C20:2N6	Eicosadienoic Acid	0.49	0.1
C20:3N6	Dihomo-gamma-linolenic Acid	11.92	1.3
C20:4N6	Arachidonic Acid	2.14	0.2
C20:3N3	Eicosatrienoic Acid	1.04	0.1
C20:4N3	Eicosatetraenoic Acid	7.46	0.8
C20:5N3 (EPA)	Eicosapentaenoic Acid	7.79	0.8
C22:0	Behenic Acid	1.29	0.1
C22:1	Cetoleic Acid	0.23	0.0
C22:2N6	Docosadienoic Acid	0.00	0.0
C22:4N6	Adrenic Acid	0.15	0.0
C22:5N6	Docosapentaenoic Acid (n-6)	112.49	12.1
C22:5N3	Docosapentaenoic Acid (n-3)	1.50	0.2
C22:6N3 (DHA)	Docosahexaenoic Acid	531.67	57.3
C24:0	Lignoceric Acid	2.57	0.3
C24:1	Nervonic Acid	4.76	0.5
Total Fatty Acids		927.98	100.0

Saturated	216.17	23.3
Monounsaturated	27.71	3.0
Polyunsaturated	684.10	73.7

Omega-3	553.92	59.7
Omega-6	130.18	14.0

Modified AOCS Official Method Ce 1b-89

Microbial Analysis

Component	Analytical Method	Specification	Result	Units	Meets Specification
Total Aerobic Plate Count	USP <2021/2022>	<100,000	<10	cfu/gram	Yes
Yeast and Mould	USP <2021/2022>	<10,000	<10	cfu/gram	Yes
E.coli	USP <2021/2022>	Negative	Negative	Positive/Negative	Yes
Salmonella	USP <2021/2022>	Negative	Negative	Positive/Negative	Yes
Staphylococcus aureus	USP <2021/2022>	Negative	Negative	Positive/Negative	Yes
Pseudomonas aeruginosa	USP <2021/2022>	Negative	Negative	Positive/Negative	Yes