

CERTIFICATE OF ANALYSIS

SfH Lot Number: L2015012803K

Date of Manufacture: 30-Apr-2024

Retest Date: 30-Apr-2027

Fatty Acid Composition				
Test	Result	Units	Specification	Method
Total Omega-3 Fatty Acids as Fatty Acid Equivalent	822	mg/g	680 mg/g min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Fatty Acid Equivalent	423	mg/g	380 mg/g min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Fatty Acid Equivalent	323	mg/g	280 mg/g min	QC-193C
EPA + DHA as Fatty Acid Equivalent	746	mg/g	660 mg/g min	QC-193C
Total Omega-3 Fatty Acids as Triglyceride	854	mg/g	750 mg/g min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Triglyceride	441	mg/g	400 mg/g min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Triglyceride	336	mg/g	300 mg/g min	QC-193C
EPA + DHA as Triglyceride	777	mg/g	700 mg/g min	QC-193C
Total Omega-3 Fatty Acids as Area %	86	%	80% min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Area%	44	%	42% min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Area%	33	%	32% min	QC-193C
EPA + DHA as Area%	78	%	77% min	QC-193C
Physical Properties				
Triglyceride	90	%	90% min	QC-816
Diglyceride	9	%	10% max	QC-816
Monoglyceride	<1	%	2% max	QC-816
Partial Glycerides	9	%	10% max	QC-816
Oligomers	<1	%	1% max	QC-816
Appearance	Pass		Clear, colorless to yellow oily liquid	QC-529
Total Intensity of Aroma	0		1 1/2 max	QC-313B
Total Intensity of Flavor	1-1/2		1 1/2 max	QC-313B
Gardner Color	3	Gardner	6 Gardner max	QC-536
Acid Value	0.1	mg KOH/g	1.0 max	AOCS Cd 3d-63
Anisidine Value	3.7	-	5.0 max	AOCS Cd 18-90
Peroxide Value	0.4	meq/kg	1.0 max	AOCS Cd 8b-90
TOTOX	4.6	-	5.0 max	Calculated
Free Cholesterol	<0.1	wt %	0.1% max	QC-186K
Trace Impurities				
PCBs	<0.01	mg/kg	0.02 mg/kg max	EPA 1668A
Dioxin-like PCBs	0.01	pg/g	1.5 pg/g (WHO-TEQ) max	EPA 1668A
PCDD/F	0.23	pg/g	1 pg/g WHO-PCDD/F-TEQ max	EPA 1613B

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Trace Impurities				
Total Dioxins	0.24	pg/g	1.5 pg/g (WHO-TEQ) max	EPA 1668A/ 1613B
PAH: Benzo(a)pyrene	Conforms		2.0 ppb max	EFSA PAH-4
PAH: Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluorathene and chrysene	Conforms		10.0 ppb max	EFSA PAH-4
Lead	Conforms	mg/kg	0.01 mg/kg max	AOAC 993.14
Cadmium	Conforms	mg/kg	0.01 mg/kg max	AOAC 993.14
Mercury	Conforms	mg/kg	0.01 mg/kg max	AOAC 993.14
Inorganic Arsenic	Conforms	mg/kg	0.1 mg/kg max	AOAC 993.14
Microbials				
Total Microbial Count	<10 cfu/g		<10 cfu/g	USP 2021
Yeast	<10 cfu/g		<10 cfu/g	USP 2021
Mold	<10 cfu/g		<10 cfu/g	USP 2021
E. Coli	Neg/10g		Neg/10g	USP 2022
Salmonella	Neg/10g		Neg/10g	USP 2022
Staphylococci	Neg/10g		Neg/10g	USP 2022
Pseudomonas aeruginosa	Neg/1g		Neg/1g	USP 2022
Bile-tolerant gram-negative bacteria	<100 cfu/g		<100 cfu/g	USP 2022



Sarah Seibert - Quality Assurance

Date of Cert: 17-May-2024