

CERTIFICATE OF ANALYSIS

Date of Manufacture: 7-Jan-2022

Retest Date: 6-Jan-2025

Fatty Acid Composition				
Test	Result	Units	Specification	Method
Total Omega-3 Fatty Acids as Fatty Acid Equivalent	810	mg/g	680 mg/g min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Fatty Acid Equivalent	430	mg/g	380 mg/g min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Fatty Acid Equivalent	300	mg/g	280 mg/g min	QC-193C
EPA + DHA as Fatty Acid Equivalent	720	mg/g	660 mg/g min	QC-193C
Total Omega-3 Fatty Acids as Triglyceride	840	mg/g	750 mg/g min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Triglyceride	450	mg/g	400 mg/g min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Triglyceride	310	mg/g	300 mg/g min	QC-193C
EPA + DHA as Triglyceride	750	mg/g	700 mg/g min	QC-193C
Total Omega-3 Fatty Acids as Area %	91	%	80% min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Area%	48	%	42% min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Area%	33	%	32% min	QC-193C
EPA + DHA as Area%	82	%	77% min	QC-193C
Physical Properties				
Triglyceride	92	%	90% min	QC-816
Diglyceride	8	%	10% max	QC-816
Monoglyceride	<1	%	2% max	QC-816
Partial Glycerides	8	%	10% max	QC-816
Oligomers	<1	%	1% max	QC-816
Appearance	Pass		Clear, colorless to yellow oily liquid	QC-529
Total Intensity of Aroma	1		1 1/2 max	QC-313B
Total Intensity of Flavor	1		1 1/2 max	QC-313B
Gardner Color	4	Gardner	6 Gardner max	QC-536
Acid Value	0.1	mg KOH/g	1.0 max	AOCS Cd 3d-63
Anisidine Value	0.9	-	5.0 max	AOCS Cd 18-90
Peroxide Value	<0.1	meq/kg	1.0 max	AOCS Cd 8b-90
TOTOX	0.9	-	5.0 max	Calculated
Free Cholesterol	0.01	wt %	0.1% max	QC-186K
Trace Impurities				
PCBs	<0.01	mg/kg	0.02 mg/kg max	EPA 1668A
Dioxin-like PCBs	0.09	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	0.32	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	<0.005	mg/kg	0.01 mg/kg max	AOAC 993.14
Cadmium	<0.005	mg/kg	0.01 mg/kg max	AOAC 993.14
Mercury	<0.005	mg/kg	0.01 mg/kg max	AOAC 993.14
Arsenic	<0.010	mg/kg	0.1 mg/kg max	AOAC 993.14
Microbials				
Total Microbial Count	<10/g		<10 cfu/g	USP 61
Yeast	<10/g		<10 cfu/g	USP 61
Mold	<10/g		<10 cfu/g	USP 61
E. Coli	Neg/10g		Neg/10g	USP 62
Salmonella	Neg/10g		Neg/10g	USP 62
Staphylococci	Neg/10g		Neg/10g	USP 62
Pseudomonas aeruginosa	Neg/1g		Neg/1g	USP 62
Bile-tolerant gram-negative bacteria	<100 cfu/g		<100 cfu/g	USP 62

Hiermit bestätigen wir, dass es sich hierbei um einen richtigen Auszug des uns vorliegenden Originalzertifikates unseres Lieferanten handelt. Analysiert wurde der Rohstoff vor Zugabe des ätherischen Öls, da ätherische Öle einige Messungen stören.

Total Omega-3 is sum of n-3 PUFAs, including C18:3 ALA, C18:4 SDA, C20:4 ETA, C20:5 EPA, C21:5 HPA, C22:5 DPA, and C22:6 DHA
Species: Alaska Walleye Pollock (*Gadus chalcogrammus*)
Contains IP Certified natural mixed tocopherols


Date of Cert: 31-Jan-2022