

CERTIFICATE OF ANALYSIS



Item Description: Oméga-3 de poissons sauvages issus de la pêche durable - Laboratoire UNAE

Product Code: 300046

Lot Number: 143016

Date of Manufacture: 14-Sep-2020

Retest Date: 14-Sep-2023

Fatty Acid Composition				
Test	Result	Units	Specification	Method
Total Omega-3 Fatty Acids as Fatty Acid Equivalent	640	mg/g	600 mg/g min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Fatty Acid Equivalent	350	mg/g	300 mg/g min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Fatty Acid Equivalent	220	mg/g	200 mg/g min	QC-193C
EPA + DHA as Fatty Acid Equivalent	570	mg/g	500 mg/g min	QC-193C
Total Omega-3 Fatty Acids as Triglyceride	660	mg/g	625 mg/g min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Triglyceride	360	mg/g	320 mg/g min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Triglyceride	230	mg/g	210 mg/g min	QC-193C
EPA + DHA as Triglyceride	590	mg/g	530 mg/g min	QC-193C
Total Omega-3 Fatty Acids as Area %	71	%	65% min	QC-193C
C20:5 Eicosapentaenoic Acid (EPA) as Area%	39	%	34% min	QC-193C
C22:6 Docosahexaenoic Acid (DHA) as Area%	24	%	22% min	QC-193C
EPA + DHA as Area%	63	%	55% min	QC-193C
Physical Properties				
Triglyceride Content	92	%	90% min	QC-816
Diglyceride Content	7	%	10% max	QC-816
Monoglyceride Content	<1	%	2% max	QC-816
Partial Glycerides	7	%	10% max	QC-816
Oligomers	<1	%	1% max	QC-816
Appearance	Pass		Clear, colorless to yellow oily liquid	QC-529
Total Intensity of Aroma	1/2		1 1/2 max	QC-313B
Total Intensity of Flavor	1/2		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	0.2	-	5.0 max	AOCS Cd 18-90
Peroxide Value	0.1	meq/kg	1.0 max	AOCS Cd 8b-90
TOTOX	0.5	-	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	<0.01	pg/g	1.5 pg/g (WHO-TEQ) max	EPA 1668A
PCDD/F	0.12	pg/g	1 pg/g WHO-PCDD/F-TEQ max	EPA 1613B

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Trace Impurities				
Total Dioxins	0.13	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 cfu/g		<10 cfu/g	USP 61
Yeast	<10 cfu/g		<10 cfu/g	USP 61
Mold	<10 cfu/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

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: 9-Oct-2020