

Certificate of analysis

Seamega Oil 4030 TG-XO Ultra

Code: HUA-EP4030TGN.XO

Specification

Batch N° : 220041
 Production date : 26/01/2022
 Expiration date : 25/01/2025

Test

Test	Min. value	Max. value	Unit	Result	Method
APPEARANCE AT ROOM TEMPERATURE characteristics, bland, mild fish like			Clear oil	CO	Organoleptic
Acid value		1.0	mg KOH/g	0.2	SN002
Colour		6	Gardner	2	SN030
Peroxide value		3.0	meq O ₂ /kg	1.4*	NF EN ISO 27107
Anisidine value		8	-	3.1*	NF EN ISO 6885
Total oxidation (Totox)		10	.	5.9	SN001
Absorbance 233 nm		0.60	AU	0.39	SN047
Triglycerides	90		A%	93	SN064
Oligomers		1.0	A%	ND	SN064
EPA; Eicosapentaenoic acid C20 :5			A%	42	SN003
DHA ; Docosahexaenoic acid C22 :6			A%	32	SN003
DPA; Docosapentaenoic acid C22 :5 n-3			A%	5	SN003
Total n-3 (7)			A%	85	SN003
Total n-3 : EPA, DHA, 18:3, 18:4, 20:4, 21:5, 22:5					SN003
EPA; Eicosapentaenoic acid C20 :5 (TG)	400	480	mg/g	400	SN003
DHA ; Docosahexaenoic acid C22 :6 (TG)	300	370	mg/g	309	SN003
DPA; Docosapentaenoic acid C22 :5 n-3 (TG)			mg/g	45	SN003
Total n-3 (7 TG)	800	960	mg/g	800	SN003
Total n-3 : EPA, DHA, 18 :3, 18 :4, 20 :4, 21 :5, 22 :5					SN003
EPA; Eicosapentaenoic acid C20 :5 (FA)	384	462	mg/g	385	SN003
DHA ; Docosahexaenoic acid C22 :6 (FA)	288	356	mg/g	298	SN003
Total n-3 (7 FA)	769	923	mg/g	769	SN003
Total n-3 : EPA, DHA, 18 :3, 18 :4, 20 :4, 21 :5, 22 :5					SN003
Mixed tocopherol	3.0	4.5	mg/g	3.7	SN081

*Test on oil with process XO (finished product)

Others Tests: on Raw material EPAX (analysis transfer according to certificate of Epax)

CO: Conform

ND: No detected

Test	Min. value	Max. value	Unit	Result	Method
Frequency analyses from date : The following frequency analyses are analysed 1 times pr. Year with the latest results as reported below :				06/07/2020 to 12/07/2021	
Unsaponifiable		3	%	CO	SN018
Frequency analyses from date : The following frequency analyses are analysed 3 times pr. Year with the latest results as reported below :				11/11/2020 to 27/04/2021	
As, Arsenic		0.1	mg/kg	CO	SN500
Cd, Cadmium		0.005	mg/kg	CO	SN500
Pb, Lead		0.025	mg/kg	CO	SN500
Hg, Mercury		0.005	mg/kg	CO	SN500
DDT (sum : o,p' + p,p')		0.005	mg/kg	CO	SN500
DDD (sum : o,p' + p,p')		0.005	mg/kg	CO	SN021
DDE p,p'		0.005	mg/kg	CO	SN021
HCB		0.005	mg/kg	CO	SN021
PCBs all 209 Included IUPAC-no. 28, 52, 101, 138, 153,180		0.01	mg/kg	CO	SN521
Brominated flame retardants IUPAC no. 47, 99, 100, 153, 154,183		0.002	mg/kg	CO	SN500
DEHP		1	mg/kg	CO	SN021
Benzo(a)pyrene		1.0	ng/g	CO	SN501
Sum 4 PAH		5.0	ng/g	CO	SN501
Dioxinlike PCBs (TE WHO)		2	pg/g	CO	SN516
Dioxins+furans (TE WHO)		1	pg/g	CO	SN516
Dioxins+furans+dioxinlike PCBs (TE WHO)		2.5	pg/g	CO	SN516
Trans fatty acids (sum of 10)		0.9	%	CO	SN003

Tests on Raw material EPAX (analysis transfer according to EPAX certificate)

CO: Compliant

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Prepared by: Quality department

