

Certificate of analysis

SEAMEGA Oil 4228 TG-XO[®] ULTRA

Code: HUA-EP4228TGN.XO

Specification

Batch N° : 18161
 4228 TG-XO[®] Ultra Production : 04/07/2018
 Expiration date: 03/07/2021

Test

Test	Min. value	Max. value	Unit	Result	Method
APPEARANCE AT ROOM TEMPERATURE			Clear oil	CO	611059
characteristics, bland, mild fish like					
Acid value		1.0	mg KOH/g	0.1	611002
Colour		6	Gardner	3	611065
Peroxide value		3.0	meq O ₂ /kg	1.5*	NF EN ISO 27107
Anisidine value		8	-	1.7*	NF EN ISO 6885
Total oxidation		10	.	4.7*	SN001
Absorbance 233 nm		0.60	AU	0.21	611047
Triglycerides	90		A%	92	611064
Oligomers		1.0	A%	TR	611064
EPA: Eicosapentaenoic acid C20 :5			A%	46	611129
DHA: Docosahexaenoic acid C22 :6			A%	31	611129
DPA: Docosapentaenoic acid C22 :5 n-3			A%	6	611129
Total n-3 (7)			A%	89	611129
Total n-3 : EPA, DHA, 18:3, 18:4, 20:4, 21:5, 22:5					
EPA: Eicosapentaenoic acid C20 :5 (TG)	420		mg/g	436	611129
DHA: Docosahexaenoic acid C22 :6 (TG)	280		mg/g	296	611129
DPA: Docosapentaenoic acid C22 :5 (TG)			mg/g	54	611129
Total n-3 (7 TG)	780		mg/g	839	611129
Total n-3 : EPA, DHA, 18 :3, 18 :4, 20 :4, 21 :5, 22 :5					
EPA: Eicosapentaenoic acid C20 :5 (FA)	403		mg/g	419	SN001
DHA: Docosahexaenoic acid C22 :6 (FA)	269		mg/g	284	SN001
Total n-3 (7 TG)	750		mg/g	806	SN001
Total n-3 : EPA, DHA, 18 :3, 18 :4, 20 :4, 21 :5, 22 :5					
Mixed tocopherol	3.0	4.5	mg/g	3.8	611081

* Test on oil with process XO (finished product)
 Others Tests: on Raw material EPAX (analysis transfer according to certificate of Epax)

Test	Min. value	Max. value	Unit	Result	Method
Frequency analyses from date :			ddmmyy	220317	
The following frequency analyses are analysed 1 times pr. Year with the latest results as reported below :					
Unsaponifiable matter		3	%	0.4	611096
Frequency analyses from date :			ddmmyy	220317	
The following frequency analyses are analysed 3 times pr. Year with the latest results as reported below :					
As, Arsenic	0.1		mg/kg	CO	611500
Cd, Cadmium	0.005		mg/kg	CO	611500
Pb, Lead	0.025		mg/kg	CO	611500
Hg, Mercury	0.005		mg/kg	CO	611500
DDT (sum : o,p' + p,p')	0.005		mg/kg	CO	611500
DDD (sum : o,p' + p,p')	0.005		mg/kg	CO	611500
DDE p,p'	0.005		mg/kg	CO	611500
HCB	0.005		mg/kg	CO	611500
PCBs all 209 Included IUPAC-no. 28, 52, 101, 138, 153,180	0.01		mg/kg	CO	611521
Brominated flame retardants IUPAC no. 47, 99, 100, 153, 154,183	0.002		mg/kg	CO	611500
DEHP	10		mg/kg	CO	611525
Benzo(a)pyrene	1.0		ng/g	CO	615500
Sum 4 PAH	5.0		ng/g	CO	611500
Dioxinlike PCBs (TE WHO)	2		pg/g	CO	611516
Dioxins+furans (TE WHO)	1		pg/g	CO	611516
Dioxins+furans+dioxinlike PCBs (TE WHO)	2.5		pg/g	CO	611516
Trans fatty acids (sum of 10)		0.9	%	CO	611167

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

Date : 12/07/2018
Quality department

