

Certificate of analysis

SUPER OMEGA 3

Code : HUA-EP3424TG.XO

Specification

Batch N° : 18082

3424 TG-XO®

Production : 13/03/2018

Expiration : 30/07/2021

Test

Test	Min. value	Max. value	Unit	Result	Method
APPEARANCE AT ROOM TEMPERATURE characteristics, bland, mild fish like			Clear oil	CO	611059
Acid value		1.0	mg KOH/g	0.1	611002
Unsaponifiable matter		3.0	%	0.3	611096
Colour		6	Gardner	3	611065
Cholesterol			mg/g	2	611126
Peroxide value		3.0	meq O ₂ /kg	0.8*	NF EN ISO 27107
Anisidine value		15	-	2.8*	NF EN ISO 6885
Total oxidation		20	.	4.4	611136
Absorbance 233 nm		0.60	AU	0.19	611047
Triglycerides	60		A%	65	611064
Oligomers		1.0	A%	ND	611064
Eicosapentaenoic acid C20 :5	34		A%	35	611129
Docosahexaenoic acid C22 :6	24		A%	27	611129
Docosapentaenoic acid C22 :5 n-3			A%	5	611129
Total n-3 (7)	65		A%	73	611129
Total n-3 : EPA, DHA, 18:3, 18:4, 20:4, 21:5, 22:5					
Eicosapentaenoic acid C20 :5 (FA)	300		mg/g	303	611129
Docosahexaenoic acid C22 :6 (FA)	220		mg/g	229	611129
Total n-3 (7 FA)	610		mg/g	622	611129
Total n-3 : EPA, DHA, 18 :3, 18 :4, 20 :4, 21 :5, 22 :5					
Eicosapentaenoic acid C20 :5 (TG)	312		mg/g	313	611129
Docosahexaenoic acid C22 :6 (TG)	229		mg/g	239	611129
Docosapentaenoic acid C22 :5 (TG)			mg/g	40	611129
Total n-3 (7 TG)	635		mg/g	652	611129
Total n-3 : EPA, DHA, 18 :3, 18 :4, 20 :4, 21 :5, 22 :5					
Saturated fatty acid			A%	5	611129
Monounsaturated fatty acids			A%	15	611129
Polyunsaturated fatty acids			A%	77	611129
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	190216	
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		0.01	mg/kg	CO	611521
Included IUPAC-no. 28, 52, 101, 138, 153,180					
Brominated flame retardants		0.002	mg/kg	CO	611500
IUPAC no. 47, 99, 100, 153, 154,183					
Benzo(a)pyrene		1.0	ng/g	CO	611500
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	611509

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

Date : 22/03/2018
Quality department

