

Certificate of analysis

EPAX Oil 3-9-11 XO

Code: HUA-EP3911.XO

Specification

Batch N°: 240274
Production date: 27/06/2024
Best before: 26/06/2027

Test

Test	Min. value	Max. value	Unit	Result	Method
APPEARANCE AT ROOM TEMPERATURE characteristics, bland, mild fish like			Clear oil	CO	Organoleptic
Acid value		0.7	mg KOH/g	0.1	SN002
Colour		3	Gardner	2	SN030
Peroxide value		3	meq O ₂ /kg	0.1	SN009
Anisidine value		15	-	2	SN014
Total oxidation (totox)		20	.	2	SN001
Absorbance 233 nm		0.50	AU	0.12	SN047
Triglycerides	60		A%	72	SN064
Oligomers		0.5	A%	ND	SN064
EPA; Eicosapentaenoic acid C20 :5 (TG)	50		mg/g	76	SN003
DHA ; Docosahexaenoic acid C22 :6 (TG)	200		mg/g	258	SN003
DPA; Docosapentaenoic acid C22 :5 n-3 (TG)			mg/g	30	SN003
Total n-3 (7 TG)	300		mg/g	383	SN003
Total n-3 : EPA, DHA, 18:3, 18:4, 20:4, 21:5, 22:5					
Cetoleic acid C22:1 n11 (TG)	300		mg/g	335	SN003
Gondoic acid C20:1 n9 (TG)	90		mg/g	141	SN003
Total LCMUFAs: C20:1 n7, n9, n11, C22:1 n7, 420 n9, n11 (TG)			mg/g	511	SN003
Mixed tocopherol	2.0	2.8	mg/g	2.5	SN081

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

CO: Compliant

ND: Not detected

Test	Min. value	Max. value	Unit	Result	Method
Frequency testing three times per year			ddmmyy	170524	
As, Arsenic		0.05	mg/kg	CO	SN500
Cd, Cadmium		0.002	mg/kg	CO	SN500
Pb, Lead		0.01	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	SN500
DDE p,p'		0.005	mg/kg	CO	SN500
HCB		0.005	mg/kg	CO	SN500
PCBs all 209		0.005	mg/kg	CO	SN521
Included IUPAC-no. 28, 52, 101, 138, 153,180					
Brominated flame retardants		0.002	mg/kg	CO	SN500
IUPAC no. 47, 99, 100, 153, 154,183					
DEHP		1	mg/kg	CO	SN521
Benzo(a)pyrene		0.5	ng/g	CO	SN501
Sum 4 PAH		2.0	ng/g	CO	SN501
Dioxinlike PCBs (TE WHO)		0.5	pg/g	CO	SN516
Dioxins+furans (TE WHO)		0.5	pg/g	CO	SN516
Dioxins+furans+dioxinlike PCBs (TE WHO)		1	mg/kg	CO	SN516
Trans fatty acids (sum of 10)		0.5	%	CO	SN003
Total 3-MCPD (free and bound)		2.5	mg/kg	CO	SN022
Ester-bound 3-chloropropane-1,2-diol (3-MCPD ester)					
Glycidol (calc.)		1.0	mg/kg	CO	SN022
Calc. 3-MCPD forming substances (glycidol) on fat					

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CO: Compliant

This edition approved on the: July 04, 2024

Prepared by: Quality Department