

Certificate of analysis

Product: EPAX 4030 TGN	Batch no.: 2025001042	Article no.: 100021
Specification, this version valid from: 04.05.2022	Manufacturing date: 13.11.2025	Retest date: 12.11.2028
Specification no.: 100021-20		

Result code: CO = Compliant, NC = Not Compliant, NA = Not Analyzed, TR = Traces, ND = Not detected, * = OOS

Test	Min. value	Max. value	Unit	Result	Method
Appearance at room temperature: Clear oil				CO	611059
Acid Value		0.7	mg KOH/g	0.1	611002
Colour		6	Gardner	1	611065
Peroxide value		1.2	meq/kg	0.1	611009
Anisidine value		8	-	2	611014
Total oxidation		10	-	2	611136
Absorbance 233 nm		0.50	AU	0.26	611047
EPA; Eicosapentaenoic acid C20:5 (TG)	400		mg/g	403	611129
DHA; Docosahexaenoic acid C22:6 (TG)	300		mg/g	318	611129
DPA; Docosapentaenoic acid C22:5 (TG)			mg/g	35	611129
Total omega-3 (7 TG): EPA, DHA, DPA, 18:3, 18:4, 20:4, 21:5	780		mg/g	800	611129
EPA; Eicosapentaenoic acid C20:5 (TG)			A%	43	611129
DHA; Docosahexaenoic acid C22:6 (TG)			A%	34	611129
DPA; Docosapentaenoic acid C22:5 n-3 (TG)			A%	4	611129
Total omega-3 (7 TG): EPA, DHA, DPA, 18:3, 18:4, 20:4, 21:5			A%	85	611129
Triglycerides	90		A%	94	611064
Diglycerides			A%	4	611064
Monoglycerides			A%	TR	611064
Oligomers		0.5	A%	ND	611064
Ethyl esters and free fatty acids		3	A%	1	611064
Mixed tocopherol	3.0	4.5	mg/g	3.6	611081

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Frequency testing once per year:			ddmmyy	240525	
Unsaponifiable matter		3.0	%	CO	611096
Frequency testing three times per year:			ddmmyy	81025	
As, Arsenic		0.05	mg/kg	CO	611500
Cd, Cadmium		0.002	mg/kg	CO	611500
Pb, Lead		0.01	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		0.005	mg/kg	CO	611521
Brominated flame retardants		0.002	mg/kg	CO	611500
IUPAC no. 47, 99, 100, 153, 154, 183					
DEHP		1	mg/kg	CO	611525
Benzo(a)pyrene		0.5	ng/g	CO	611500
Sum 4 PAH		2.0	ng/g	CO	611500
Dioxinlike PCBs (TE WHO)		0.5	pg/g	CO	611516
Dioxins+furans (TE WHO)		0.5	pg/g	CO	611516
Dioxins+furans+dioxinlike PCBs (TE WHO)		1	pg/g	CO	611516
Trans fatty acids (sum of 10)		0.5	%	CO	611509
Total 3-MCPD (free and bound)		0.5	mg/kg	CO	611529
Ester-bound 3-chloropropane-1,2-diol (3-MCPD ester)					

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Test	Min. value	Max. value	Unit	Result	Method
Glycidol (calc.)			0.5 mg/kg	CO	611529

Calc. 3-MCPD forming substances (glycidol) on fat

Shelf life is guaranteed if product is stored in unopened original closed containers, protected from heat and light.
EPAX products do not contain any components of GMO origin, IP certified tocopherols are added.

Electronically signed by: Beate Stokkereit
Date and time: 18.11.2025 13:21.55
Reason code: Analysis controlled and approved

