

Certificate of analysis

Product: EPAX 4832 TGN	Batch no.: 2023000334	Article no.: 105007
Specification, this version valid from: 20.04.2023	Manufacturing date: 25.04.2023	Retest date: 24.04.2026
Specification no.: 105007-20		

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	0.2	611009 ✓
Anisidine value		8	-	3	611014 ✓
Total oxidation		10	-	3	611136 ✓
Absorbance 233 nm		0.50	AU	0.23	611047
EPA; Eicosapentaenoic acid C20:5 (TG)	480		mg/g	495	611129 ✓
DHA; Docosahexaenoic acid C22:6 (TG)	320		mg/g	329	611129 ✓
DPA; Docosapentaenoic acid C22:5 (TG)			mg/g	37	611129
Total omega-3 (7 TG): EPA, DHA, DPA, 18:3, 18:4, 20:4, 21:5	860		mg/g	917	611129 ✓
Triglycerides	90		A%	93	611064 ✓
Diglycerides			A%	7	611064
Monoglycerides			A%	TR	611064
Oligomers		0.5	A%	ND	611064 ✓
Ethyl esters and free fatty acids		3	A%	ND	611064 ✓
Mixed tocopherol	3.0	4.5	mg/g	4.1	611081 ✓

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Test	Min. value	Max. value	Unit	Result	Method
Frequency testing three times per year:			ddmmyy	250423	
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 ✓
TCDF		0.005	mg/kg	CO	611500 ✓
PCBs all 209		0.005	mg/kg	CO	611521 ✓
Brominated flame retardants IUPAC no. 47, 99, 100, 153, 154, 183		0.002	mg/kg	CO	611500 ✓
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) Ester-bound 3-chloropropane-1,2-diol (3-MCPD ester)		0.5	mg/kg	CO	611529 ✓
Glycidol (calc.) Calc. 3-MCPD forming substances (glycidol) on fat		0.5	mg/kg	CO	611529 ✓

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: 24.05.2023 08:23.18
Reason code: Analysis controlled and approved