

# Certificate of analysis



<b>Product:</b> EPAX 4030 TG/N	<b>Batch no.:</b> 2201172	<b>Article no.:</b> 04036
<b>Specification, this version valid from:</b> 211119	<b>Manufacturing date:</b> 071220	<b>Retest date:</b> 071223
<b>Specification no:</b> 04036 20		

1) CO = Compliant, NC = Not Compliant, NA = Not Analysed, TR = Traces , ND = Not Detected, \* = OOS

Test	Specification		Unit	Result <sup>(1)</sup>	Date of Analysis	Method
	Min value	Max value				
Appearance at room temperature Characteristics; bland, mild fish like			Clear oil	CO	071220	611059
Acid Value		1,0	mg KOH/g	0,2	071220	611002
Colour		6	Gardner	2	071220	611065
Peroxide value		1,2	meq/kg	0,1	071220	611009
Anisidine value		8	-	4	071220	611014
Total oxidation		10	.	4	071220	611136
Absorbance 233 nm		0,60	AU	0,36	071220	611047
EPA; Eicosapentaenoic acid C20:5			A%	45	121220	611129
DHA; Docosahexaenoic acid C22:6			A%	34	121220	611129
DPA; Docosapentaenoic acid C22:5 n-3			A%	5	121220	611129
Total omega-3 (7)			A%	91	121220	611129
Total omega-3: EPA, DHA, 18:3, 18:4, 20:4, 21:5, 22:5						
EPA; Eicosapentaenoic acid C20:5 (TG)	400		mg/g	423	121220	611129
DHA; Docosahexaenoic acid C22:6 (TG)	300		mg/g	318	121220	611129
DPA; Docosapentaenoic acid C22:5 (TG)			mg/g	50	121220	611129
Total omega-3 (7 TG)	800		mg/g	852	121220	611129
Total omega-3: EPA, DHA, 18:3, 18:4, 20:4, 21:5, 22:5						
Triglycerides	90		A%	93	091220	611064
Diglycerides			A%	7	091220	611064
Monoglycerides			A%	TR	091220	611064
Oligomers		1,0	A%	ND	151220	611064
Mixed tocopherol	3,0	4,5	mg/g	3,8	121220	611081

Analysis controlled and approved:

*Beate Stokkerit*

Beate Stokkerit Quality Control 16.12.20

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**Bank-account:** 1503.99.28652  
**IBAN NOK:** NO30 1503 9928 652

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	Min value	Max value				
Frequency analyses from date: The following frequency analysis are analysed 1 time pr. year with the latest results as reported below:			ddmmyy	60720	151220	.
Unsaponifiable matter		3,0	%	CO	151220	611096
Frequency analyses from date: The following frequency analyses are analysed 3 times pr. year with the latest results as reported below:			ddmmyy	90720	151220	.
As, Arsenic		0,1	mg/kg	CO	151220	611500
Cd, Cadmium		0,005	mg/kg	CO	151220	611500
Pb, Lead		0,025	mg/kg	CO	151220	611500
Hg, Mercury		0,005	mg/kg	CO	151220	611500
DDT (sum: o,p' + p,p')		0,005	mg/kg	CO	151220	611500
DDD (sum: o,p' + p,p')		0,005	mg/kg	CO	151220	611500
DDE p,p'		0,005	mg/kg	CO	151220	611500
HCB		0,005	mg/kg	CO	151220	611500
PCBs all 209 included IUPAC-no. 28, 52, 101, 138, 153, 180		0,01	mg/kg	CO	151220	611521
Brominated flame retardants IUPAC no. 47, 99, 100, 153, 154, 183		0,002	mg/kg	CO	151220	611500
DEHP		1	mg/kg	CO	151220	611525
Benzo(a)pyrene		1,0	ng/g	CO	151220	611500
Sum 4 PAH		5,0	ng/g	CO	151220	611500
Dioxinlike PCBs (TE WHO)		2	pg/g	CO	151220	611516
Dioxins+furans (TE WHO)		1	pg/g	CO	151220	611516
Dioxins+furans+dioxinlike PCBs (TE WHO)		2,5	pg/g	CO	151220	611516
Trans fatty acids (sum of 10)		0,9	%	CO	151220	611509
Total 3-MCPD (free and bound) Ester-bound 3-chloropropane-1,2-diol (3-MCPD ester)		2,5	mg/kg	CO	151220	611529
Glycidol (calc.) 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,		1,0	mg/kg	CO	151220	611529

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IP certified tocopherols are added.

This batch is also drummed on 08.12.20. The Certificate of Analysis applies also to oil drummed on this date.

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