

Certificate of analysis

Batch no: **051808**
 Product name: **VivoMega 2050 TG Premium 52911-10**
 GC Rieber spec. no: **52911-10 Ver 4.00**
 Date of production: **7. Dec 2023**
 Shelf life: **6. Dec 2026**
 Description: High DHA concentrate on triglyceride (TG) basis made from fish oil. Shelf life is guaranteed if the product is stored in unopened original closed containers, protected from heat and light.

Description	Unit	Specifications		Result	Methods	Remark
		Min	Max			
C20:5 n3 (EPA)	Area%	20		22	GCRO001	1
C20:5 n3 (EPA) TG	mg/g TG	200		208	GCRO001	1
C20:5 n3 (EPA) FFA	mg/g FFA	192		200	GCRO001	1
C22:6 n3 (DHA)	Area%	50		54	GCRO001	1
C22:6 n3 (DHA) TG	mg/g TG	500		504	GCRO001	1
C22:6 n3 (DHA) FFA	mg/g FFA	481		486	GCRO001	1
C22:5 n3 (DPA)	Area%			5	GCRO001	1
C22:5 n3 (DPA) TG	mg/g TG			45	GCRO001	1
C22:5 n3 (DPA) FFA	mg/g FFA			43	GCRO001	1
EPA + DHA TG	mg/g TG			712	GCRO001	1
EPA + DHA FFA	mg/g FFA			685	GCRO001	1
Total omega-3	Area%	75		83	GCRO001	1
Total omega-3 TG	mg/g TG	750		781	GCRO001	1
Total omega-3 FFA	mg/g FFA	722		752	GCRO001	1
Acid value	mg KOH/g		1.0	<0.1	GCRO003	1
Peroxide Value	mEq/kg		2.0	0.4	GCRO006	1
Anisidine value	NA		8	5	GCRO007	1
Totox	NA		10	5	Calculation	1
Colour	Gardner		5	3	GCRO004	1
Cold test		3h/0C		Passed	GCRO005	1
Specific gravity		0.93	0.95	Conforms	GCRO015	2
Absorbance at 233 nm	NA.		0.6	0.3	GCRO022	1
Oligomers	Area %		1.0	0.2	GCRO023	1
Triglycerides	Area %	90		93	GCRO023	1
Ethyl esters and free fatty acids	Area %		5	<1	GCRO023	1
Mixed tocopherols, non GMO (70 % solution)	mg/ g	3.0	4.0	3.2	Addition	3
Dioxins and furans	ng/kg WHOT		1.0	<1.0	External	2
Dioxin-like PCBs	ng/kg WHOT		0.5	<0.5	External	2
Sum of Dioxins, furans and Dioxin-like PCBs	ng/kg WHOT		1.5	<1.5	External	2
PCBs (209 congeners)	mg/kg		0.005	<0.005	External	2
Benzo(a)pyrene	µg/kg		1.0	<1.0	External	2
Sum PAH4	µg/kg		2.0	<2.0	External	2
Arsenic (As)	mg/kg		0.1	<0.1	External	2
Cadmium (Cd)	mg/kg		0.002	<0.002	External	2
Lead (Pb)	mg/kg		0.003	<0.003	External	2
Mercury (Hg)	mg/kg		0.002	<0.002	External	2
Pesticides	mg/kg		0.01	<0.01	External	2,4
Total aerobic microbial count	cfu/ 1g		1000	Conforms	External	2
Total yeast and mould count	cfu/ 1g		100	Conforms	External	2

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Description	Unit	Min	Max	Result	Methods	Remark
Staphylococcus aureus	cfu/ 1g		Absent	Conforms	External	2
Escherichia coli	cfu/ 1g		Absent	Conforms	External	2
Salmonella spp	cfu/10 g		Absent	Conforms	External	2
Bile-tolerant Gram neg. (Enterobacteriaceae)	cfu/ 1g		100	Conforms	External	2
Pseudomonas aeruginosa	cfu/ 1g		Absent	Conforms	External	2

Quality evaluation: The batch is approved according to specification.

Katarzyna Migus-Felak
 Written by

V. Valija Alseikaitė
 Quality control by

- 1) Parameter analyzed in accordance with specific method on every batch, and reported on Certificate of analysis.
 - 2) Parameter is analyzed at least 3 times/year. Conformity is reported in Certificate of Analysis.
 - 3) Parameter is reported in CoA based on the amount added in the product.
 - 4) Pesticides are tested and specified in "pesticide specification attachment" which is available on request.
- The limit of 0.01 mg/kg applies to each pesticide.

Produced from human consumption approved fish oil, in accordance with current EU Regulations.