

## Nationale Institute of Public Health

Šrobárova 49/48, 100 00 Prague 10

issues

# CERTIFICATE OF SAFETY

We hereby confirm that the ingredients and results of laboratory test of the Food Supplement

**BrainMax® Fish Oil & Astaxanthin**

**Applicant: BRAINMARKET s.r.o., Hladnovská 83/93, 712 00 Ostrava,  
Czech Republic**

**complies**

with Czech Food Law No 110/1997, Decree No 58/2018 on Food Supplements and the composition on foodstuffs, Regulation (EU) No 1169/2011 on the provision of food information to consumers, Regulation (EC) No 1925/2006 of EP and C on the addition of vitamins and minerals and certain other substances to foods, Commission Regulation (EC) No 1170/2009 sets the list of vitamin and minerals and their forms that can be added to foods, including food supplements and Commission Regulation (ES) No 915/2023 setting maximum levels for certain contaminants in foodstuffs

Supplementary information:

Product was assessed and registered by NIPH Prague  
(Čj. SZÚ/05441/2025, EX 250412 from 16.6.2025)

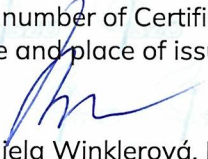
and tested by the accredited laboratories of the National Institute of Public Health Prague,  
Testing Laboratory No 1206, Šrobárova 49/48, 100 00 Prague 10, Czech Republic  
Protocol No 4/25/108, No 183/25/05547

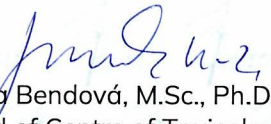
Certificate was issued by NIPH on the request of the applicant.

**Validity of the Certificate till 17.6.2028**

The number of Certificate: 183-111/25

Date and place of issue: 17.6.2025

  
Daniela Winklerová, M.Sc.  
Head of Unit for Special  
Kinds of Food

  
Hana Bendová, M.Sc., Ph.D.  
Head of Centre of Toxicology  
and Health Safety

**NATIONAL INSTITUTE OF PUBLIC HEALTH**  
Centre of Toxicology and Health Safety  
Šrobárova 49/48  
100 00 Prague 10  
Czech Republic



## 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.





Deutsche Sporthochschule Köln • 50933 Köln

BrainMarket s.r.o.  
Matej Vesely  
Hladnovska 83/93  
71200 Ostrava  
Tschechien

**Institut für Biochemie**  
Institute of Biochemistry  
Akkreditierung nach  
DIN EN ISO/IEC 17025:2018  
(D-PL-13340-01-00)  
on behalf of:  
**Zentrum für Präventive Dopingforschung**  
Center for Preventive Doping Research

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#### Analytical Report AR202505211

#### Sample NE202501602

Client:	BrainMarket s.r.o.		
Sample collection:	performed by customer		
Product name:	BrainMax - Fish Oil & Astaxanthin		
Date of receipt:	30.07.2025		
Charge:	2523 (only on analysis request)	BBE:	24.1.2027
Form of presentation:	Liquid	Quantity:	275 ml
Brief description:	Dark red liquid in brown glass bottle with black screw cap; black label with white and red imprint		

#### Analysis methods

##### Analysis for doping relevant substances by gas-chromatography/mass-spectrometry (SOP\_NM0108)

Date of analysis: 14.08.2025

Aliquots of the sample were analysed for the following substances (reporting level 10 ng/g):

19-Nor-4-androstene-3 $\beta$ ,17 $\beta$ -diol, 19-Nor-5-androstene-3 $\beta$ ,17 $\beta$ -diol, 19-Nor-4-androstene-3,17-dione, 19-Nortestosterone, 4-Androstene-3 $\beta$ ,17 $\beta$ -diol, 5-Androstene-3 $\beta$ ,17 $\beta$ -diol, 4-Androstene-3,17-dione, Dehydroepiandrosterone (DHEA), Testosterone, 5 $\alpha$ -Androstane-3 $\beta$ ,17 $\beta$ -diol, Androstadiene-3,17-dione, 5 $\alpha$ -Androst-1-ene-3 $\beta$ ,17 $\beta$ -diol, Androsterone, Dehydrochloromethyltestosterone (DHCMT), Drostanolone, Etiocholanolone, Mestanolone, Methandriol, Metenolone, Methyl-1-testosterone, Methylstenbolone, Norboletone, Norethandrolone, Oxymesterone, Stenbolone

##### Analysis for doping relevant substances by liquid-chromatography/mass-spectrometry (SOP\_NM0209)

Date of analysis: 02.09.2025

Aliquots of the sample were analysed for the following substances (reporting level 100 ng/g):

Amphetamine, Metamphetamine, Dimetamphetamine, Methylenedioxyamphetamine (MDA), Methylephedrine, Methylpseudoephedrine, Ephedrine, Pseudoephedrine, Norephedrine, Norpseudoephedrine, Strychnine, Methylenedioxymetamphetamine (MDMA), Methylenedioxyethylamphetamine (MDEA), Benzphetamine, Fenfluramine

## Result

**None of the listed substances was detected by gas-chromatography/mass-spectrometry.**

**None of the listed substances was detected by liquid-chromatography/mass-spectrometry.**

Cologne, 05 Sept 2025

*Ute Mareck*

Dr. Ute Mareck  
(Deputy Head of Laboratory)

--- End of Analytical Report AR202505211 ---