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® Krill 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 registred 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: 183-114/25
Date and place of issue: 17.6.2025

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NATIONAL INSTITUTE OF PUBLIC HEALTH
Centre of Toxicology and Health Safety
Šrobárova 49/48
100 00 Prague 10
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Analytical report AR-25-HD-016141-01

Testing laboratory:

Eurofins Food & Feed Testing Czech Republic s.r.o.
Zkušební laboratoř EUROFINS CZ
Radiová 1285/7
102 00 Praha 10 - Hostivař
IČO: 27449408
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Customer:

BRAINMARKET s.r.o.
Hladnovská 83/93
SLEZSKÁ OSTRAVA - MUGLINOV
712 00 OSTRAVA
CZECH REPUBLIC

Issue date 21.05.2025

Sample code 540-2025-00015090

Sample reception date: 21.03.2025
Date of Testing 21.03.2025 - 07.05.2025

Sample information:

Sample name, extended: [1] BrainMax Krill Oil s astaxanthinem, 500 mg, 100 softgel kapslí
Sample description: [1] 005-32407-216456
Client Purchase order nr.: BrainMax Krill Oil s astaxanthinem
Order date: 19.03.2025
Client sample code: [1] 46959
Sampler: Customer
Additional sample description: 19.02. bez šarže, objednávka z Aker z 2.11. dodaná 3.2.

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Brutto sample weight of supplied sample	kg	0.46	4%	SOP MB.005.PB	Gravimetry	A
Anisidine number		43.2	4%	SOP 8.72. (ČSN EN ISO 6885)	Spectrophotometry	SA
Astaxanthin	mg/kg	<75 (LOQ)		Internal Method	LC-DAD	SN
Average weight of a unit	g/Unit	1.00			Calculation	SN
Fatty acid factor		0.956		Internal Method Table value	GC-FID	SN
Choline, total	mg/kg	39700	3970.000	AOAC Vol 91,1 2008	LC-MS/MS	SA
C 4:0 (Butyric acid)	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 6:0 (Caproic acid)	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 8:0 (Octanoic acid)	%	0.2	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 10:0 (Capric acid)	%	0.2	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 10:1 (Decenic acid) + isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
C 12:0 (Lauric acid)	%	0.2	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 14:0 (Myristic acid)	%	10.5	0.3	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 14:1 (Myristoleic acid) + isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 15:0 (Pentadecanoic acid)	%	0.3	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 15:1 (Pentadecenoic acid) + isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 16:0 (Palmitic acid)	%	20.8	0.6	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 16:1 (Palmitoleic acid) + isomers	%	5.7	0.2	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 17:0 (Margaric acid)	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 17:1 (heptadecenoic acid) + isomers	%	0.1	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:0 (Stearic acid)	%	1.3	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:1-n9 (oleic acid)	%	11.7	0.4	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:1-11 (cis-Vaccenic acid)	%	6.5	0.2	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:1-13 (13-oleic acid)	%	0.2	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
C 18:1 (trans) isomers	%	0.3	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:2 (Linoleic acid)	%	1.7	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:2 (trans/trans) isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:2 (cis/trans) isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:2 (trans/cis) isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:3 (alpha-linolenic acid)	%	0.5	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:3 (gamma-linolenic acid)	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:3 (trans/cis/trans) isomers	%	0.4	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:3 (cis/cis/trans) isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:3 (cis/trans/cis) isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:3 (trans/cis/cis) isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 18:4 (Octadecatetraenic acid)	%	3.0	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 20:0 (Arachidic acid)	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
C 20:1 (Eicosenoic acid) + isomers	%	1.2	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 20:2 (Eicosodienoic acid) + isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 20:3 (Eicosatrienoic acid)	%	0.1	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 20:4 (Arachidonic acid)	%	0.3	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 20:5 (Eicosapentaenic acid)	%	17.8	0.5	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 22:0 (Behenic acid)	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 22:1n9 (Erucic acid)	%	0.8	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 22:1 (Docosenoic acid) Isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 22:2 (Docosadienoic acid) + isomeres	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 22:5 (Docosapentaenic acid)	%	0.4	0.1	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 22:6 (Docosahexaenic acid)	%	9.3	0.3	DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 23:0 (Tricosanoic acid)	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
C 24:0 (Lignoceric acid)	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
C 24:1 (Tetracosenoic acid) + isomers	%	<0.1		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
Saturated fatty acids (% total FA)	%	33.8		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
Monounsaturated fatty acids (% total FA)	%	26.3		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
Polyunsaturated fatty acids (% total FA)	%	33.4		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
Trans fatty acids (% total FA)	%	0.8		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
Other fatty acids (% total FA)	%	5.8		DGF C-VI 10a:2000, mod., PV 00624, PV 00111; DGF C-VI 11a:2016, mod., PV 00624, PV 00111	GC-FID [GC-FID]	SA
Butyric acid C4:0	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Caproic acid C6:0	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Caprylic acid C8:0	g/100 g	0.19	0.02	AOCS 1f-96 (2009)	GC-FID	SA
Capric acid C10:0	g/100 g	0.12	0.01	AOCS 1f-96 (2009)	GC-FID	SA
Lauric acid C12:0	g/100 g	0.12	0.01	AOCS 1f-96 (2009)	GC-FID	SA
Dodeceneic acid C12:1 (c11) ω1	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Tridecanoic acid C13:0	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Myristic acid C14:0	g/100 g	5.89	0.59	AOCS 1f-96 (2009)	GC-FID	SA
Myristelaidic acid C14:1 (t9) ω5	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Myristoleic acid C14:1 (c9) ω5	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Pentadecanoic acid C15:0	g/100 g	0.17	0.02	AOCS 1f-96 (2009)	GC-FID	SA
Pentadecenoic acid C15:1 (c10) ω5	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Palmitic acid C16:0	g/100 g	11.50	1.15	AOCS 1f-96 (2009)	GC-FID	SA
Palmitelaidic acid C16:1 (t9) ω7	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Palmitoleic acid C16:1 (c9) ω7	g/100 g	3.07	0.31	AOCS 1f-96 (2009)	GC-FID	SA
Margaric acid C17:0	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Heptadecenoic acid C17:1 (c10) ω7	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Stearic acid C18:0	g/100 g	0.61	0.06	AOCS 1f-96 (2009)	GC-FID	SA
Oleic acid C18:1 (c9) ω9	g/100 g	5.87	0.59	AOCS 1f-96 (2009)	GC-FID	SA
Petroselinic acid C18:1 (c6) ω12	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Elaidic acid C18:1 (t9) ω9	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Petroselaidic acid C18:1 (t6) ω12	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Vaccenic acid C18:1 (c11) ω7	g/100 g	3.38	0.34	AOCS 1f-96 (2009)	GC-FID	SA
Vaccenic acid C18:1 (t11) ω7	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Linoelaidic acid C18:2 (t9,t12) ω9	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Linoleic acid C18:2 (c9,c12) ω6	g/100 g	0.92	0.09	AOCS 1f-96 (2009)	GC-FID	SA

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Linoleic acid C18:2 10t 12c (Conjugated)	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Linoleic acid C18:2 9c 11t (Conjugated)	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Octadecadienoic acid C18:2 (c9,t12) ω9	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Octadecadienoic acid C18:2 (t9,c12) ω9	g/100 g	0.41	0.04	AOCS 1f-96 (2009)	GC-FID	SA
γ-Linolenic acid C18:3 (c6, c9, c12) ω6	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Octadecatrienoic acid C18:3 T1	g/100 g	0.12	0.01	AOCS 1f-96 (2009)	GC-FID	SA
Octadecatrienoic acid C18:3 T2	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
α-Linolenic acid C18:3 (c9, c12, c15) ω3	g/100 g	0.63	0.06	AOCS 1f-96 (2009)	GC-FID	SA
Stearidonic acid C18:4 (c6, c9, c12, c15) ω3	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Arachidic acid C20:0	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Gadoleic acid C20:1 (c9) ω11	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Eicosenoic acid C20:1 (t9) ω11	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Gondoic acid C20:1 (c11) ω9	g/100 g	0.39	0.04	AOCS 1f-96 (2009)	GC-FID	SA
Eicosadienoic acid C20:2 (c11, c14) ω6	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Dihomo-γ-Linolenic acid C20:3 (c8, c11, c14) ω6	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Eicosatrienoic acid C20:3 (c11,c14,c17) ω3	g/100 g	0.11	0.01	AOCS 1f-96 (2009)	GC-FID	SA
Arachidonic acid C20:4 (c5,c8,c11,c14) ω6	g/100 g	0.24	0.02	AOCS 1f-96 (2009)	GC-FID	SA
Eicosatetraenoic acid C20:4 ω3 (ETA)	g/100 g	0.16	0.02	AOCS 1f-96 (2009)	GC-FID	SA
Eicosapentaenoic acid C20:5 ω3 EPA	g/100 g	9.78	0.98	AOCS 1f-96 (2009)	GC-FID	SA
Heneicosanoic acid C21:0	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Behenic acid C22:0	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Heneicosapentaenoic acid C21:5 ω3 HPA	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Brassidic acid C22:1 (t13) ω9	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Docosenoic acid C22:1 (c11) ω11	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Erucic acid C22:1 (c13) ω9	g/100 g	0.37	0.04	AOCS 1f-96 (2009)	GC-FID	SA
Docosadienoic acid C22:2 (c13,c16) ω6	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Docosatrienoic acid C22:3 (c13,c16,c19) ω3	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Docosatetraenoic acid C22:4 ω6	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Docosapentaenoic acid C22:5 ω3 DPA	g/100 g	0.19	0.02	AOCS 1f-96 (2009)	GC-FID	SA
Docosapentaenoic acid C22:5 ω6	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Docosahexanoic acid C22:6 ω3 DHA	g/100 g	5.22	0.52	AOCS 1f-96 (2009)	GC-FID	SA
Tricosanoic acid C23:0	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Lignoceric acid C24:0	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Nervonic acid C24:1 (c15) ω9	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Unidentified fatty acids	g/100 g	4.37	0.44	AOCS 1f-96 (2009)	GC-FID	SA
Fatty acids below LOQ	g/100 g	0.33	0.03	AOCS 1f-96 (2009)	GC-FID	SA
Sum of saturated fatty acids	g/100 g	18.80	1.88	AOCS 1f-96 (2009)	GC-FID	SA
Sum of monounsaturated fatty acids	g/100 g	13.25	1.33	AOCS 1f-96 (2009)	GC-FID	SA
Sum of polyunsaturated fatty acids	g/100 g	17.58	1.76	AOCS 1f-96 (2009)	GC-FID	SA

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Sum of Omega 3	g/100 g	16.10	1.61	AOCS 1f-96 (2009)	GC-FID	SA
Sum of Omega 6	g/100 g	1.47	0.15	AOCS 1f-96 (2009)	GC-FID	SA
Sum of Omega 9	g/100 g	6.68	0.67	AOCS 1f-96 (2009)	GC-FID	SA
Sum C14:1 trans	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Sum C16:1 trans	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Sum C18:1 trans	g/100 g	< 0,1 (LOQ)		AOCS 1f-96 (2009)	GC-FID	SA
Sum C18:2 trans	g/100 g	0.48	0.05	AOCS 1f-96 (2009)	GC-FID	SA
Sum C18:3 trans	g/100 g	0.12	0.01	AOCS 1f-96 (2009)	GC-FID	SA
Sum C20:1 trans	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Sum C22:1 trans	g/100 g	ND		AOCS 1f-96 (2009)	GC-FID	SA
Sum trans	g/100 g	0.77	0.08	AOCS 1f-96 (2009)	GC-FID	SA
TOTOX		43.2	7%	SOP-N CH.37	Calculation	SN
Fat, SBR	g/100 g	57.29	4.93	NMKL 131:1989, mod.	Gravimetry	SA

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Peroxide value	mmol/kg	<0.5		SOP 8.54.	Volumetry	SA
Acid value (mg KOH/g)	mg KOH/g	17.8	6%	SOP 8.55.**	Volumetry	SA

Additional information

Measured values per dose (2 capsules):
Astaxanthin: < LOQ
Choline: 79.4 mg
Eicosapentaenoic acid (EPA): 196 mg
Docosahexanoic acid (DHA): 104 mg
Sum of Omega-3 fatty acids: 322 mg

Decision rule: If the testing laboratory issues a statement of conformity, the decision-making rule according to ch. 4.2.1 of ILAC document G8:09/2019 Guidelines for the use of decision rules and statement of conformity. In such a case, the measurement uncertainty is not taken into account for the conformity statement. If measurement uncertainty is included the decision, this information is included in the statement of conformity. In such a case, proceed according to chap. 4.2.3 ILAC G8:09/2019.

Notes:

SOP, ŠPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
SN - subcontracted not accredited test
TZ - type of test
A - test within the accreditation scope of EUROFINS CZ
N - test outside of the accreditation scope of EUROFINS CZ
SA - subcontracted accredited test
* - the expanded measurement uncertainty, as determined by the extension coefficient k = 2 (with a 95% probability), does not include sampling uncertainty; if the measurement uncertainty is expressed in %, it is its relative value
LOD – limit of detection, LOQ – limit of quantification, result between LOD and LOQ = detected
1) - Information supplied by customer
Unless otherwise stated in the notes, the place of the tests performance is workplace No. 1 - Prague - of EUROFINS CZ testing laboratory.

Responsible for correctness: Pavlína Hejduková
Worked out by: Naďa Krejčová
No. of document: 2025521143112436
Validity check of document
h[redacted]

Test Certificate approved by:
Jitka Pinkrová
Head of Laboratory

Akreditovaná zkušební laboratoř č. 1546
Eurofins Food & Feed Testing Czech Republic s.r.o.
EUROFINS CZ

End of Analytical Report