

Analytical report AR-25-HD-016141-01



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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 kapsli
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 (Docosaheptaenic 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
Brassicidic 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
 * - 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.

If the information supplied by the customer could have be to affect the validity of the results, the laboratory disclaims responsibility. For samples supplied by the customer, the results relate to the sample as received and provided by the customer. The measuring devices and gauges used for the test / tests have been calibrated and verified according to valid metrological regulations. The results of the measurements relate only to the subject of the tests and do not replace other documents, e.g. of an administrative nature. The result identified as subcontracting in this protocol is the result of subcontractor measurements based on contract, order. The protocol may be reproduced or incorporated into promotional materials only with the written consent of the EUROFINS CZ Testing Laboratory and only to the extent of such approval. Any alteration, reproduction of part of the test report is not permitted and such analytical report automatically becomes invalid. The authenticity and completeness of the report can be verified at the EUROFINS CZ test laboratory stated in the header of analytical report. This Test Report has been issued in accordance with the applicable Conditions of service available on request and accessible at www.eurofins.cz.

Responsible for correctness: Pavlína Hejduková

Worked out by: Nad'a Krejčová

No. of document: 2025521143112436

Validity check of document

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Test Certificate approved by:

Jitka Pinkrová

Head of Laboratory

