REPORT OF ANALYSIS No. L4821/24/JSHH/2

Client		Sample description: *(according to declaration of Client)*
NATUR TANYA HUNGARY KERESKEDELMI ÉS SZOLGÁLTATÓ KFT. SZÍV UTCA 45. 3. EM. 4. 1063 BUDAPEST		**Natur Tanya® Omega-3 TG** **Min.idő/LOT: 11.2025/513** **Sample condition with no objections**
Sample received:	**2024-02-08**	
Analysis completed (the date of performance of the laboratory activity):	**2024-04-04**	**Order of 2024-02-08** The samples were delivered by Client
Report dated:	**2024-04-09**	

Test	Method	Unit	Result
Anisidine value of extracted fat	PN-EN ISO 6885:2016-04		5,1 ± 1,8
Acid value of extracted fat	PN-EN ISO 660:2021-03	mg KOH/g	0,21 ± 0,05
Fat	PB-286 ed. I of 26.09.2014	g/100g of capsule filling	99,6 ± 9,0
* The most probable number of Escherichia coli	PN-ISO 7251:2006	MPN/g	0
* Detection of Listeria monocytogenes in 25g	PN-EN ISO 11290-1:2017-07		Not detected in 25 g
* Detection of Salmonella spp.	PN-EN ISO 6579-1:2017-04+A1:2020-09		Not detected in 25 g
* Polycyclic aromatic hydrocarbons (PAHs) [1][2][3]	PB-117/HPLC ed. V of 20.01.2019		
Benzo(a)pyrene		µg/kg	< 1,0 (1,0 ± 0,2)
Σ PAHs (Benzo(a)pyrene, Benz(a)anthracene, Chrysene, Benzo[b]fluoranthene)		µg/kg	below quantification limit
Fatty acids profile [2][4]	PN-EN ISO 12966-1:2015-01, PN-EN ISO 12966-2:2017-05 except p.5.3 and 5.5, PN-EN ISO 12966-4:2015-07		
Total monounsaturated fatty acids (MUFA) [5]		mg/capsule filling	82 ± 11
Total polyunsaturated fatty acids (PUFA) [5]		mg/capsule filling	1290 ± 168
Total Omega-3 fatty acids [5]		mg/capsule filling	1242 ± 161
Total Omega-6 fatty acids [5]		mg/capsule filling	47 ± 6
Total Omega-9 fatty acids [5]		mg/capsule filling	45 ± 6
C4:0 butyric acid		mg/capsule filling	< 1 (1 ± 1)
C6:0 caproic acid		mg/capsule filling	< 1 (1 ± 1)
C8:0 caprylic acid		mg/capsule filling	< 1 (1 ± 1)
C10:0 capric acid		mg/capsule filling	< 1 (1 ± 1)

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C11:0 undecylic acid	mg/capsule filling	< 1 (1 ± 1)
C12:0 lauric acid	mg/capsule filling	< 1 (1 ± 1)
C13:0 tridecylic acid	mg/capsule filling	< 1 (1 ± 1)
C14:0 myristic acid	mg/capsule filling	5 ± 1
C14:1 myristoleic acid	mg/capsule filling	< 1 (1 ± 1)
C15:0 pentadecanoic acid	mg/capsule filling	< 1 (1 ± 1)
C15:1 ginkgolic acid	mg/capsule filling	< 1 (1 ± 1)
C16:0 palmitic acid	mg/capsule filling	8 ± 1
C16:1n7 palmitoleic acid	mg/capsule filling	< 1 (1 ± 1)
C16:1 (sum of)	mg/capsule filling	3 ± 1
C17:0 margaric acid	mg/capsule filling	< 1 (1 ± 1)
C16:2n4 hexadecadienoic acid	mg/capsule filling	< 1 (1 ± 1)
C17:1 margaroleic acid	mg/capsule filling	< 1 (1 ± 1)
C16:3n4 hexadecatrienoic acid	mg/capsule filling	< 1 (1 ± 1)
C18:0 stearic acid	mg/capsule filling	11 ± 1
C18:1n9 trans elaidic acid	mg/capsule filling	< 1 (1 ± 1)
C18:1n9 oleic acid	mg/capsule filling	13 ± 1
C18:1n7 vaccenic acid	mg/capsule filling	4 ± 1
C18:1 (sum of)	mg/capsule filling	22 ± 3
C18:2n6 trans linolelaidic acid	mg/capsule filling	< 1 (1 ± 1)
C18:2 trans (sum of)	mg/capsule filling	< 1 (1 ± 1)
C18:2 (sum of)	mg/capsule filling	3 ± 1
C18:2n6 linoleic acid (LA)	mg/capsule filling	3 ± 1

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C20:0 arachidic acid	mg/capsule filling	17 ± 2
C18:3n6 γ-linolenic acid (GLA)	mg/capsule filling	< 1 [1 ± 1)
C21:0 heneicosanoic acid	mg/capsule filling	2 ± 1
C18:3n4 octadecatrienoic acid	mg/capsule filling	< 1 [1 ± 1)
C20:1n9 eicosenoic acid	mg/capsule filling	27 ± 3
C20:1 (sum of)	mg/capsule filling	31 ± 4
C18:3n3 α-linolenic acid (ALA)	mg/capsule filling	9 ± 1
C18:3 (sum of)	mg/capsule filling	9 ± 1
C18:4n3 stearidonic acid (SDA)	mg/capsule filling	2 ± 1
C20:2n6 eicosadienoic acid	mg/capsule filling	7 ± 1
C22:0 behenic acid	mg/capsule filling	5 ± 1
C20:3n6 dihomo-γ-linolenic acid	mg/capsule filling	5 ± 1
C22:1n11 gadoleic acid	mg/capsule filling	16 ± 2
C22:1n9 erucic acid	mg/capsule filling	5 ± 1
C22:1 (sum of)	mg/capsule filling	20 ± 3
C20:3n3 eicosatrienoic acid (ETE)	mg/capsule filling	3 ± 1
C20:4n6 arachidonic acid (ARA)	mg/capsule filling	31 ± 3
C23:0 tricosylic acid	mg/capsule filling	5 ± 1
C22:2n6 docosadienoic acid	mg/capsule filling	2 ± 1
C20:4n3 eicosatetraenoic acid (ETA)	mg/capsule filling	24 ± 2
C20:5n3 eicosapentaenoic acid (EPA)	mg/capsule filling	665 ± 67
C24:0 lignoceric acid	mg/capsule filling	< 1 [1 ± 1)
C24:1n9 nervonic acid	mg/capsule filling	6 ± 1

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C22:5n3 docosapentaenoic acid (DPA)		mg/capsule filling	70 ± 7
C22:6n3 docosahexaenoic acid (DHA)		mg/capsule filling	469 ± 47
Other fatty acids		mg/capsule filling	73 ± 9
Total saturated fatty acids (SAFA)		mg/capsule filling	53 ± 7
Total trans fatty acids		mg/capsule filling	< 1 (1 ± 1)
* Cadmium[2)]	PB-68/ICP ed. III of 18.09.2012	mg/kg	< 0,002 (0,002 ± 0,001)
* Lead[2)]	PB-68/ICP ed. III of 18.09.2012	mg/kg	< 0,05 (0,05 ± 0,01)
* Mercury[2)]	PB-30/CVAAS ed. 6 of 09.06.2023	mg/kg	< 0,0006 (0,0006 ± 0,0001)
* Dioxins / Furans / Dioxin-like PCBs / PCB indicator [2)]	PB-408 ed. III of 04.10.2021		
2,3,7,8-TCDD		pg/g fat	< 0,05 (0,05 ± 0,01)
1,2,3,7,8-PeCDD		pg/g fat	< 0,05 (0,05 ± 0,01)
1,2,3,4,7,8-HxCDD		pg/g fat	< 0,05 (0,05 ± 0,01)
1,2,3,6,7,8-HxCDD		pg/g fat	< 0,05 (0,05 ± 0,01)
1,2,3,7,8,9-HxCDD		pg/g fat	< 0,05 (0,05 ± 0,01)
1,2,3,4,6,7,8-HpCDD		pg/g fat	0,096 ± 0,019
OCDD		pg/g fat	0,693 ± 0,139
2,3,7,8-TCDF		pg/g fat	< 0,05 (0,05 ± 0,01)
1,2,3,7,8-PeCDF		pg/g fat	< 0,05 (0,05 ± 0,01)
2,3,4,7,8-PeCDF		pg/g fat	0,292 ± 0,058
1,2,3,4,7,8-HxCDF		pg/g fat	0,052 ± 0,010
1,2,3,6,7,8-HxCDF		pg/g fat	0,134 ± 0,027
2,3,4,6,7,8-HxCDF		pg/g fat	0,149 ± 0,030
1,2,3,7,8,9-HxCDF		pg/g fat	< 0,05 (0,05 ± 0,01)
1,2,3,4,6,7,8-HpCDF		pg/g fat	0,081 ± 0,016
1,2,3,4,7,8,9-HpCDF		pg/g fat	< 0,05 (0,05 ± 0,01)
OCDF		pg/g fat	< 0,10 (0,10 ± 0,02)
WHO-PCDD/F-TEQ lower-bound		pg/g fat	0,123 ± 0,018
WHO-PCDD/F-TEQ medium-bound		pg/g fat	0,187 ± 0,028
WHO-PCDD/F-TEQ upper-bound		pg/g fat	0,250 ± 0,038
PCB-081		pg/g fat	< 0,05 (0,05 ± 0,01)
PCB-077		pg/g fat	< 0,05 (0,05 ± 0,01)
PCB-126		pg/g fat	0,818 ± 0,164
PCB-169		pg/g fat	1,657 ± 0,331
PCB-123		pg/g fat	< 10 (10 ± 2)
PCB-118		pg/g fat	< 10 (10 ± 2)
PCB-114		pg/g fat	< 10 (10 ± 2)
PCB-105		pg/g fat	< 10 (10 ± 2)
PCB-167		pg/g fat	< 10 (10 ± 2)

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PCB-156		pg/g fat	15,374 ± 3,075
PCB-157		pg/g fat	< 10 (10 ± 2)
PCB-189		pg/g fat	< 10 (10 ± 2)
WHO-dl-PCB-TEQ lower-bound		pg/g fat	0,132 ± 0,020
WHO-dl-PCB-TEQ medium-bound		pg/g fat	0,133 ± 0,020
WHO-dl-PCB-TEQ upper-bound		pg/g fat	0,134 ± 0,020
WHO-PCDD/F-PCB-TEQ lower-bound		pg/g fat	0,255 ± 0,038
WHO-PCDD/F-PCB-TEQ medium-bound		pg/g fat	0,320 ± 0,048
WHO-PCDD/F-PCB-TEQ upper-bound		pg/g fat	0,384 ± 0,058
PCB-028		ng/g fat	< 0,10 (0,10 ± 0,02)
PCB-052		ng/g fat	< 0,10 (0,10 ± 0,02)
PCB-101		ng/g fat	< 0,10 (0,10 ± 0,02)
PCB-153		ng/g fat	< 0,10 (0,10 ± 0,02)
PCB-138		ng/g fat	< 0,10 (0,10 ± 0,02)
PCB-180		ng/g fat	0,149 ± 0,030
Sum of ndl-PCB (ICES-6) lower-bound		ng/g fat	0,15 ± 0,02
Sum of ndl-PCB (ICES-6) medium-bound		ng/g fat	0,40 ± 0,06
Sum of ndl-PCB (ICES-6) upper-bound		ng/g fat	0,65 ± 0,10
# * Arsenic (As)	MSZ EN 13805:2015, EPA Method 6020A:2007	mg/kg	< 1

[1] The test was performed in the extracted fat.

[2] The lower limit of the measuring range of the accredited method, which is also the limit of quantification set by the Laboratory.

[3] Limit of quantification for benzo(a)pyrene, benz(a)anthracene, chrysene, benzo(b)fluoranthene: 1,0 (1,0 ± 0,2) µg/kg.

[4] Capsule filling weight declared by the Client: 1505,268 mg.

[5] Results of individual sums unsaturated fatty acids do not include content of trans fatty acids.

If the "result" column of the accredited method contains a record: '<' or '>', it means, that it is the test outcome directly related to the lower or upper limit of the measuring range of the accredited method, whereas the given expanded measurement uncertainty relates only to the lower or upper limit of the measuring range of the accredited method respectively. In such a case, the Laboratory presents the opinion and interpretation in the "statement of conformity" column, which is based on the obtained test outcome.
Test: Arsenic was performed by external provider with an accreditation number NAH-1-1398/2019

THE END OF THE REPORT

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REPORT OF ANALYSIS No. L10329/24/JSHH

Client		Sample description *(according to declaration of Client)*
NATUR TANYA HUNGARY KERESKEDELMI ÉS SZOLGÁLTATÓ KFT. SZÍV UTCA 45. 3. EM. 4. 1063 BUDAPEST		**Natur Tanya® Omega-3 TG** **Min.idő/LOT: 11.2025/513** **Sample condition with no objections**
Sample received:	**2024-03-19**	
Analysis completed (the date of performance of the laboratory activity):	**2024-03-25**	**Order of 2024-03-19** The samples were delivered by Client
Report dated:	**2024-03-25**	

Test	Method	Unit	Result
Peroxide value	ISO 3960:2017	meq O_2/kg of capsule filling	1,8 ± 0,4

THE END OF THE REPORT

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