



TEST REPORT NO 192876/23/GDY/Z1
 Replaces test report no. 192876/23/GDY of 17.05.2023

Client MZ -STORE SPÓŁKA AKCYJNA ul. Cypriana Kamila Norwida 47 84 -240 Reda		Sample (according to declaration of Client) Sample description: Apollo's Hegemony Fish Oil 120 softgels Batch: EXP: 03/2025 Expiry date: 31.03.2025
Sample reception date:	05.05.2023	Sample status: no objections Sample received from the Client
Start of analysis	10.05.2023	
End of analysis	17.05.2023	
Test report date	07.06.2023	

Test Method	Unit	Result
* Net weight of 1 pcs PB-281 ed. IV of 11.01.2021 p. 8.2.	mg	1342 (min. 1332; max. 1350) ± 134
Totox index Totox index	-	11,7 ± 0,6
Peroxide value PN-EN ISO 3960:2017-03	meq O ₂ /kg of capsule filling	3,5 ± 0,9
Anisidine value PN-EN ISO 6885:2016-04	-	4,7 ± 1,2
* Fat PB-286 ed. I of 26.09.2014	%	71,8 ± 6,5
* Fatty acids profile ²⁾ 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		
C4:0 butyric acid	mg/capsule	< 1 (1 ± 1)
C6:0 caproic acid	mg/capsule	< 1 (1 ± 1)
C8:0 caprylic acid	mg/capsule	< 1 (1 ± 1)
C10:0 capric acid	mg/capsule	< 1 (1 ± 1)
C11:0 undecylic acid	mg/capsule	< 1 (1 ± 1)
C12:0 lauric acid	mg/capsule	< 1 (1 ± 1)
C13:0 tridecylic acid	mg/capsule	< 1 (1 ± 1)
C14:0 myristic acid	mg/capsule	2 ± 1
C14:1 myristoleic acid	mg/capsule	< 1 (1 ± 1)
C15:0 pentadecanoic acid	mg/capsule	< 1 (1 ± 1)
C15:1 ginkgolic acid	mg/capsule	< 1 (1 ± 1)
C16:0 palmitic acid	mg/capsule	7 ± 1
C16:1n7 palmitoleic acid	mg/capsule	6 ± 1
C16:1 (sum of)	mg/capsule	6 ± 1
C17:0 margaric acid	mg/capsule	< 1 (1 ± 1)

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C16:2n4 hexadecadienoic acid	mg/capsule	< 1 (1 ± 1)
C17:1 margaroleic acid	mg/capsule	< 1 (1 ± 1)
C16:3n4 hexadecatrienoic acid	mg/capsule	< 1 (1 ± 1)
C18:0 stearic acid	mg/capsule	40 ± 4
C18:1n9 trans elaidic acid	mg/capsule	< 1 (1 ± 1)
C18:1n9 oleic acid	mg/capsule	80 ± 8
C18:1n7 vaccenic acid	mg/capsule	25 ± 3
C18:1 (sum of)	mg/capsule	109 ± 11
C18:2n6 trans linolelaidic acid	mg/capsule	< 1 (1 ± 1)
C18:2 trans (sum of)	mg/capsule	4 ± 1
C18:2 (sum of)	mg/capsule	17 ± 2
C18:2n6 linoleic acid (LA)	mg/capsule	14 ± 1
C20:0 arachidic acid	mg/capsule	5 ± 1
C18:3n6 γ-linolenic acid (GLA)	mg/capsule	< 1 (1 ± 1)
C21:0 heneicosanoic acid	mg/capsule	< 1 (1 ± 1)
C18:3n4 octadecatrienoic acid	mg/capsule	< 1 (1 ± 1)
C20:1 eicosenoic acid	mg/capsule	27 ± 3
C20:1 (sum of)	mg/capsule	33 ± 3
C18:3n3 α-linolenic acid (ALA)	mg/capsule	6 ± 1
C18:3 (sum of)	mg/capsule	6 ± 1
C18:4n3 stearidonic acid (SDA)	mg/capsule	13 ± 1
C20:2n6 eicosadienoic acid	mg/capsule	3 ± 1
C22:0 behenic acid	mg/capsule	2 ± 1
C20:3n6 dihomo-γ-linolenic acid	mg/capsule	3 ± 1
C22:1n11 gadoleic acid	mg/capsule	28 ± 3
C22:1n9 erucic acid	mg/capsule	5 ± 1
C22:1 (sum of)	mg/capsule	33 ± 3
C20:3n3 eicosatrienoic acid (ETE)	mg/capsule	1 ± 1
C20:4n6 arachidonic acid (ARA)	mg/capsule	19 ± 2
C23:0 tricosylic acid	mg/capsule	2 ± 1
C22:2n6 docosadienoic acid	mg/capsule	2 ± 1
C20:4n3 eicosatetraenoic acid (ETA)	mg/capsule	14 ± 1
C20:5n3 eicosapentaenoic acid (EPA)	mg/capsule	331 ± 33
C24:0 lignoceric acid	mg/capsule	< 1 (1 ± 1)
C24:1n9 nervonic acid	mg/capsule	7 ± 1
C22:5n3 docosapentaenoic acid (DPA)	mg/capsule	45 ± 5
C22:6n3 docosahexaenoic acid (DHA)	mg/capsule	212 ± 21
Other fatty acids	mg/capsule	50 ± 7
Total saturated fatty acids (SAFA)	mg/capsule	59 ± 8
Total monounsaturated fatty acids (MUFA) ¹⁾	mg/capsule	188 ± 24

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Total polyunsaturated fatty acids (PUFA) ¹⁾	mg/capsule	663 ± 86
Sum of trans fatty acids isomers	mg/capsule	4 ± 1
Total Omega-3 fatty acids ¹⁾	mg/capsule	622 ± 81
Total Omega-6 fatty acids ¹⁾	mg/capsule	40 ± 5
Total Omega-9 fatty acids ¹⁾	mg/capsule	122 ± 16

- 1) Results of individual sums of unsaturated fatty acids do not include the content of trans fatty acids.
- 2) The lower limit of the measuring range of the accredited method, which is also the limit of quantification set by the Laboratory.

Fatty acids profile: Identification of the change: test result

Authorized by:

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The test report bears the certified electronic seal of J.S. Hamilton Poland Sp. z o.o.

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* Test method accredited

Test performed by external provider

THE END OF THE REPORT