

**TEST REPORT NO 673326/23/GDY/Z1**  
Replaces test report no. 673326/23/GDY of 21.12.2023

Client <b>MZ -STORE SPÓŁKA AKCYJNA</b> ul. Cypriana Kamila Norwida 47 84 -240 Reda		Sample (according to declaration of Client) Sample description: AH Ultra Fish Oil + E
Sample reception date:	<b>11.12.2023</b>	Sample status: no objections  Sample received from the Client
Start of analysis	<b>14.12.2023</b>	
End of analysis	<b>21.12.2023</b>	
Test report date	<b>10.01.2024</b>	

Test Method	Unit	Result
Fat PB-286 ed. I of 26.09.2014	g/100 g	75,5 ± 6,8
Fatty acids profile <sup>1) 3)</sup> 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	< 1 (1 ± 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	< 1 (1 ± 1)
C16:1n7 palmitoleic acid	mg/capsule	< 1 (1 ± 1)
C16:1 (sum of)	mg/capsule	< 1 (1 ± 1)
C17:0 margaric acid	mg/capsule	< 1 (1 ± 1)
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	3 ± 1
C18:1n9 trans elaidic acid	mg/capsule	< 1 (1 ± 1)
C18:1n9 oleic acid	mg/capsule	4 ± 1
C18:1n7 vaccenic acid	mg/capsule	1 ± 1
C18:1 (sum of)	mg/capsule	7 ± 1

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C18:2n6 trans linolelaidic acid	mg/capsule	< 1 (1 ± 1)
C18:2 trans (sum of)	mg/capsule	< 1 (1 ± 1)
C18:2 (sum of)	mg/capsule	2 ± 1
C18:2n6 linoleic acid (LA)	mg/capsule	2 ± 1
C20:0 arachidic acid	mg/capsule	4 ± 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	25 ± 3
C20:1 (sum of)	mg/capsule	28 ± 4
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	< 1 (1 ± 1)
C20:2n6 eicosadienoic acid	mg/capsule	4 ± 1
C22:0 behenic acid	mg/capsule	1 ± 1
C20:3n6 dihomo-γ-linolenic acid	mg/capsule	4 ± 1
C22:1n11 gadoleic acid	mg/capsule	9 ± 1
C22:1n9 erucic acid	mg/capsule	3 ± 1
C22:1 (sum of)	mg/capsule	12 ± 2
C20:3n3 eicosatrienoic acid (ETE)	mg/capsule	2 ± 1
C20:4n6 arachidonic acid (ARA)	mg/capsule	24 ± 3
C23:0 tricosylic acid	mg/capsule	3 ± 0
C22:2n6 docosadienoic acid	mg/capsule	1 ± 1
C20:4n3 eicosatetraenoic acid (ETA)	mg/capsule	18 ± 2
C20:5n3 eicosapentaenoic acid (EPA)	mg/capsule	501 ± 50
C24:0 lignoceric acid	mg/capsule	< 1 (1 ± 1)
C24:1n9 nervonic acid	mg/capsule	2 ± 1
C22:5n3 docosapentaenoic acid (DPA)	mg/capsule	47 ± 5
C22:6n3 docosahexaenoic acid (DHA)	mg/capsule	245 ± 25
Other fatty acids	mg/capsule	56 ± 6
Total saturated fatty acids (SAFA)	mg/capsule	12 ± 2
Total monounsaturated fatty acids (MUFA) <sup>2)</sup>	mg/capsule	49 ± 6
Total polyunsaturated fatty acids (PUFA) <sup>2)</sup>	mg/capsule	855 ± 111
Sum of trans fatty acids isomers	mg/capsule	< 1 (1 ± 1)
Total Omega-3 fatty acids <sup>2)</sup>	mg/capsule	820 ± 107
Total Omega-6 fatty acids <sup>2)</sup>	mg/capsule	35 ± 5
Total Omega-9 fatty acids <sup>2)</sup>	mg/capsule	32 ± 4

1) Capsule weight declared by the Client: 1287 mg.

2) Results of individual sums of unsaturated fatty acids do not include the content of trans fatty acids.

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- 3) 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:

ID: 795, Analysis Expert, Gas Chromatography Laboratory

ID: 1660, Analysis Expert, Classical Analysis Laboratory

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

Laboratory address:

Chwaszczyńska 180, 81-571 Gdynia

The results refer only to the samples received. When a measurement uncertainty is given, it is an expanded uncertainty estimated for a coverage factor  $k=2$  at 95% confidence level and is not including sampling uncertainty, unless otherwise stated. When the conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019, unless otherwise reported. 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. This test report may not be copied in part without the prior written permission of J.S. Hamilton Poland Sp. z o.o. The responsibility of J.S. Hamilton Poland Sp. z o.o. is limited solely to the data issued in its original. J.S. Hamilton Poland Sp. z o.o. does not permit the use of the PCA accreditation symbol AB 079 by customers, subcontractors, external service providers and other third parties. For further information please refer to the PCA document - DA-02. The service confirmed by this report is subject to the General Terms and Conditions of Services of J.S. Hamilton Poland Sp. z o.o. published on [www.hamilton.com.pl](http://www.hamilton.com.pl).

\* Test method accredited

# Test performed by external provider

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**THE END OF THE REPORT**