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ANALYTICAL LABORATORIES
microbiology - physicochemistry - sensory

GBA POLSKA Sp. z o.o.
Member of GBA GROUP
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AB 1095

TEST REPORT No: B/0/07/2025/164/FM/1/EN

Customer: MZ-STORE SPÓŁKA AKCYJNA 84-240 Reda, ul. ul. Cypriana Kamila Norwida 47

Order No: B/0/07/2025/164

A - accredited methodology (accreditation no. AB 1095); reference – if the law so provides (the result can be used to assess compliance in the legally regulated area).
AE - accredited methodology (accreditation no. AB 1095) of flexible scope – reference if the law so provides / equivalent to reference (the result can be used to assess compliance in the legally regulated area).
NA - non-accredited methodology, covered by the PN-EN ISO/IEC 17025:2018-02 system

Material/product tested:	**Dietary supplements**
Sample collection address:	84-240 Reda, ul. Cypriana Kamila Norwida 47
Product name:	***AH Borage Oil 90 softgels*** **Date*: 07 July 2025**
Producer:	*Apollo's Hegemony BV*
Date of production:	*02/07/2025*
Lot number:	*02/04/2027*

Sampling according to: -
Samples transported by: Shipping
Received by: GBA POLSKA employee no.: 2729

Sample no: 14204/07/25 Sample condition: correct Analysis start date: 07-07-2025 Analysis end date: 21-07-2025

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	U	S/OI
Ł	Coliforms count	cfu/g	AE	PN-ISO 4832:2007	no requirements	<1,0 x 10¹		-
Ł	Total microbial count	cfu/g	AE	PN-EN ISO 4833-1:2013-12, PN-EN ISO 4833-1:2013-12/Ap1:2016-11, PN-EN ISO 4833-1:2013-12/A1:2022-06	no requirements	<1,0 x 10¹		-
Ł	Presence of presumptive Escherichia coli	1g	AE	PN-ISO 7251:2006	no requirements	absent in 1g		-
Ł	Presence of Listeria monocytogenes	25g	AE	PN-EN ISO 11290-1:2017-07	no requirements	not detected in 25g		-
Ł	Presence of coagulase-positive staphylococci (Staphylococcus aureus and other species)	1g	AE	PN-EN ISO 6888-3:2004, PN-EN ISO 6888-3:2004/AC:2005	no requirements	absent in 1g		-
Ł	Count of yeasts and moulds	cfu/g	AE	PN-ISO 7954:1999	no requirements	<1,0 x 10¹		-
Ł	Presence of Salmonella spp.	25g	AE	PN-EN ISO 6579-1:2017-04, PN-EN ISO 6579-1:2017-04/A1:2020-09	no requirements	not detected in 25g		-
Ł	Mercury	mg/kg	AE	PN-EN 15763:2010	no requirements	0,0039	0.0006	-

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	U	S/OI
Ł	Lead	mg/kg	AE	PN-EN 15763:2010	no requirements	< 0,010	0.002	-
Ł	Cadmium	mg/kg	AE	PN-EN 15763:2010	no requirements	< 0,0020	0.0003	-
Ł	Nervonic Acid (C24:1)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	1,53	0.31	-
Ł	Conjugated Linoleic Acid, CLA (C18:2 c9,t11)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-8,11,14-Octadecatrienoic Acid (C18:3n4)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Octadecatrienoic Acid - Sum Of Trans Isomers (C18:3 trans)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Heneicosanoic Acid (C21:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-8,11,14-Eicosatrienoic Acid (C20:3n6)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Docosanoic Acid (C22:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,18	0.04	-
Ł	Cis-7, 10, 13, 16, 19 - Docosapentaenoic Acid, DPA (C22:5n3)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Octadecenoic Acid - Sum Of Trans Isomers (C18:1 trans)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Octadecadienoic Acid - Sum Of Trans Isomers (C18:2 trans)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,19	0.04	-
Ł	Heptadecanoic Acid (C17:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Stearic Acid (C18:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	4,39	0.88	-

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	U	S/OI
Ł	Tetracosanoic Acid (C24:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,08	0.02	-
Ł	Tricosanoic Acid (C23:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-11,14,17-Eicosatrienoic Acid (C20:3n3)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-13,16-Docosadienoic Acid (C22:2)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Palmitic Acid (C16:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	9,88	1.98	-
Ł	Undecanoic Acid (C11:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Myristic Acid (C14:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,05	0.01	-
Ł	Caprylic Acid (C8:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,11	0.02	-
Ł	Pentadecanoic Acid (C15:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-9,12-Hexadecadienoic Acid (C16:2n4)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-6,9,12,15-Octadecatetraenoic Acid (C18:4n3)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-11-Docosoic Acid (C22:1n11c)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Arachidic acid (C20:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,29	0.06	-
Ł	Gamma Linolenic Acid, GLA (C18:3n6)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	20,41	4.08	-

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	U	S/OI
Ł	Cis-11-Eicosenoic Acid (C20:1)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	3,99	0.80	-
Ł	Alpha linolenic acid, ALA (C18:3n3)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,15	0.03	-
Ł	Cis-11,14-Eicosadienoic Acid (C20:2)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,17	0.03	-
Ł	Erucic Acid (C22:1n9)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	2,48	0.50	-
Ł	Arachidonic acid, ARA (C20:4n6)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-10-Pentadecenoic Acid (C15:1)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Palmitoleic Acid (C16:1)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,12	0.02	-
Ł	Capric acid (C10:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,06	0.01	-
Ł	Lauric Acid (C12:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Tridecanoic Acid (C13:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Myristoleic Acid (C14:1)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Butyric Acid (C4:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Caproic acid (C6:0)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-4,7,10,13,16,19 - Docosahexaenoic Acid, DHA (C22:6n3)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	U	S/OI
Ł	Cis-5,8,11,14,17 - Eicosapentaenoic Acid, EPA (C20:5n3)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-Vaccenic Acid (C18:1n7c)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	0,41	0.08	-
Ł	Cis-8,11,14,17-Eicosatetraenoic Acid (C20:4n3)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Cis-10-Heptadecenoic Acid (C17:1)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	< 0,05	0.01	-
Ł	Oleic Acid (C18:1n9c)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	18,03	3.61	-
Ł	Linoleic Acid, LA (C18:2n6c)	% in fat	AE	PB-191/LF ed. 6 of 01.10.2024	no requirements	37,37	7.47	-
Ł	An anisidine number	-	A	PN-EN ISO 6885:2016-04	no requirements	4,9	1.0	-
Ł	Peroxide value	meq O2/kg	A	PB-72/LF ed. 7 of 11.12.2024	no requirements	2,78	0.28	-
Ł	TOTOX indicator	-	NA	PN-EN ISO 6885:2016-04	no requirements	10,4		-

Date* - depending on the method of obtaining the sample by GBA POLSKA, it is the date of: collection (when the sample is collected only by a GBA POLSKA employee) or receipt (when the sample is collected from the Customer by a GBA POLSKA employee, is delivered by a courier company or delivered personally by the Customer).
U - expanded measurement uncertainty at the level of confidence app. 95% and the coverage factor k=2, does not take into account the sampling uncertainty, except when indicated in the remarks. Measurement uncertainty is provided when it is important for the reliability of test results or compliance with requirements/specifications and at the request of the Customer. The "test results" lower or higher than the measuring ranges of the methods are presented as "<value of the lower limit of the measuring range " or "> value of the upper limit of the measuring range", respectively. These values provide information about the research results. If expanded uncertainties are given with these test results, they apply to the lower or upper limit of the measuring range of the method.
S/OI - statements of conformity/opinion and interpretation, where:
S – statements of conformity with the requirements or specifications relating to the results for the parameters indicated in a given row, where CONFORMING means conformity and NON CONFORMING means non-conformity with specification. The decision rules agreed with the Customer and the risks associated with it, as well as the identification of which specifications, standards or parts thereof are met and which are not, are provided in the Remarks. In case of obtaining the "test results", the Statements of Conformity for those "test results" that are meet the requirements of PCA Communication No. 353 of August 24, 2021, it is carried out as part of the opinion and interpretation.
OI - opinion and interpretation of the Laboratory in relation to the qualitative results/results obtained below/above the method range, where MEET means complying with the requirements and NOT MEET means not complying with the requirements.
The results refer only to the tested samples (sampled or received - in accordance with the information presented in the Test Report).
The information in italics included in the Test Report was provided by the Customer. The laboratory is not responsible for this information. The laboratory is not resposible for the method of sampling and the representativeness of the samples provided by the Customer for testing.
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Place of performance of the tests ("Lab."): Ł - Łajski, ul. Kościelna 2a, 05-119 Legionowo, L - ul. Doświadczalna 50a, 20-280 Lublin, M - ul. Fabryczna 7, 41-404 Mysłowice, P – ul. Kazimierza Tymienieckiego 34, 60-681 Poznań, W – ul. Ząbkowska 18, 03-735 Warszawa, PS - in situ measurement.

NOTE: Original Test Report are issued in electronic form with the *.pdf extension, signed with a qualified electronic signature. Therefore, all prints, unless certified as true copies, are copies.

Remarks:

The second selective medium for detecting the presence of Listeria monocytogenes in accordance with PN-EN ISO 11290-1:2017-07 is Palcam – incubation at 37°C ± 1°C. The second selective medium for detecting the presence of Salmonella spp. in accordance with PN-EN ISO 6579-1:2017-04, Mon-EN ISO 6579-1:2017-04/A1:2020-09 is RVS broth and Brilliance Salmonella/Agar. Coagulase is used to detect staphylococci-positive, Braid Parker RPF/agar was used. Temperature used for incubation of coliform bacteria: 37°C±1°C.

Created on:	Authorized result:	Authorized Test report:	
22-07-2025	GBA POLSKA employee no.: 2207 GBA POLSKA employee no.: 2422 GBA POLSKA employee no.: 2486 GBA POLSKA employee no.: 2876	Manager of the Customer Service Office for food and cosmetics GBA POLSKA employee no: 2383	**Signed with a qualified electronic signature**

Report prepared in a single copy **Original of PDF: Customer, copy of PDF to: Laboratory archive**

The end of the Test Report