GBAPOLSKA

ANALYTICAL LABORATORIES
microbiology - physicochemistry - sensory

GBA POLSKA Sp. z o.o.
Member of GBA GROUP
Headquarter address: ul. Mochtyńska 65, 03-289 Warsaw, Poland

AB 1095

TEST REPORT No.: Ł/0/03/2023/3274/FM/7/EN

Customer: GYMBEAM s.r.o. 040 01 Košice, ul. Rastislavova 93

Order No.: Ł/0/03/2023/3274

A - accredited methodology (AB 1095); reference – if the law so provides (the result can be used to assess compliance in the legally regulated area).
AE - accredited methodology (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).
AR - accredited methodology (AB 1095) equivalent to reference (the result can be used to assess compliance in the legally regulated area).
MON - methodology accredited in terms of "OiB"
GMP+ - methodology registered in the scope of GMP+ B11 protocol (feed testing)
A/P - accredited methodology of the subcontractor
P - non-accredited methodology of the subcontractor

Material/product tested:	**Dietary supplements**
Sample collection address:	040 01 Košice, ul.Rastislavova 93
Product name:	**Multivitamin Vitality Complex** **Date*: 23.03.2023**
Producer:	GymBeam
Date of production:	no data
Lot number:	LC210062; Date and time of sampling: 3.3.2023, 1.00 pm

Samples collected according to:
Samples transported by: Shipping
Sample receiver: GBA POLSKA employee no.: 2653

Sample no.: 31607/03/23 Sample evaluation: unreservedly Analysis start date: 23-03-2023 Analysis end date: 19-04-2023

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	MU**	N
Ł	Content of vitamin C	mg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	23029	+/-2 533	
Ł	Content of vitamin E (DL-alpha-tocopherol)	mg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	> 1000		
Ł	Content of vitamin B1 (Thiamine)	mg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	108	+/-13	
Ł	Content of vitamin B2 (Riboflavin)	mg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	129	+/-15	
Ł	Content of vitamin B3 (Niacin)	mg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	1504	+/-165	
Ł	Content of vitamin B5 (Pantothenic acid)	mg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	562	+/-84	
Ł	Content of vitamin B6 (Pyridoxine)	mg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	131	+/-16	

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	MU**	N
Ł	Content of vitamin B7 (Biotin)	µg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	5094	+/-560	
Ł	Content of vitamin B9 (Folic acid)	µg/100g	AE	PB-257/LF ed. 5 dated 02.01.2022	no requirements	18554	+/-2 412	
Ł	Vitamin B12 content (Cyanocobalamin) (from 0,035µg/100g)	µg/100g	A	VitaFast Vitamin B12 (Cyanocobalamin) test instructions from R-Biopharm AG from 06.02.2017	no requirements	220,833	+/-± 66,250	
Ł	Magnesium	mg/kg	AE	PB-158/LF ed. 8 dated 16.02.2023	no requirements	> 10000		
Ł	Zinc	mg/kg	AE	PB-158/LF ed. 8 dated 16.02.2023	no requirements	> 1000		
Ł	Selenium	mg/kg	AE	PB-28/LF ed. 2 dated 07.02.2022	no requirements	> 5,00		
	Choline	mg/100g	A/P	PV-199-Total CholinCarnitin (LC-MS/MS) : 2017-12 (Nr Akr. 1163)	no requirements	982		
Ł	Cadmium	mg/kg	AE	PN-EN 15763:2010	no requirements	0,011	+/-0,002	
Ł	Lead	mg/kg	AE	PN-EN 15763:2010	no requirements	0,056	+/-0,008	
Ł	Mercury	mg/kg	AE	PN-EN 15763:2010	no requirements	< 0,001		
Ł	Coliforms count	cfu/g	AE	PN-ISO 4832:2007	no requirements	$<1,0x10^1$		
Ł	Count of moulds	cfu/g	AE	PN-ISO 21527-2:2009	no requirements	$<1,0x10^1$		
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		

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 collection (when the sample is collected from customer by a GBA Polska employee, is delivered by a courier company or delivered personally by the customer).
** - 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 presented when: it is relevant to the validity or application of the test results, it affects conformity to a specification limit, or a customer's instruction so requires.
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. If expanded uncertainties are given with these test results, they apply to the lower or upper limit of the measuring range of the method. Moreover, in the case of these results, the conformity statement should be treated as an opinion and interpretation. The above-described procedure does not apply to biological tests.
The results relate to the tested samples (sampled or received - as reported in the test report).
In the case of samples provided by the customer, the information presented in the report regarding these samples is the information provided by the customer. The Laboratory is not responsible for this information or for the method of sampling and the representativeness of the samples provided by the customer for testing.
The test report includes test results of the following number of samples: 1 pc(s) and without the written approval of the Laboratory shall not be reproduced except in full.
Customer may file complains within 14 days from receiving the report.
The Laboratory does not store the samples after testing, unless otherwise agreed with the customer.
Place of performance of the tests (location codes): Ł - Łajski, L - Lublin, M - Mysłowice, PS - in situ measurement.

Remarks:

Vitamin C = 506.6 +/- 55.8 mg/2caps.
Vitamin B1 = 2.38 +/- 0.29 mg/2caps.
Vitamin B2 = 2.83 +/- 0.34 mg/2caps.
Vitamin B3 = 33.1 +/- 3.64 mg/2caps.
Vitamin B5 = 12.36 +/- 1.85 mg/2caps.
Vitamin B6 = 2.89 +/- 0.35 mg/2caps.
Vitamin B7 = 112.07 +/- 12.33 µg/2caps.
Vitamin B9 = 408.19 +/- 53.06 µg/2caps.
Vitamin E = 24.2 +/- 3.1 mg/2caps.
Zinc = 24.4 +/- 5.48 mg/2 caps.
Magnesium = 140 +/- 14 mg/2 caps
Selenium = 115 +/- 23 µg/2 caps.
Choline = 23.6 mg/2 caps.
Vitamin B12 = 5,300 ug/2caps.
Detection limit for vitamin B12 - 0.035 µg/100g. The expanded uncertainty of measurement given is estimated in accordance with ISO 19036 and is based on the standard uncertainty multiplied by the coverage factor k=2, which gives a confidence level of approximately 95%. The composite standard uncertainty was taken to be equal to the within-laboratory standard deviation of reproducibility. The measurement uncertainty associated with sampling is not included in the expanded measurement uncertainty.

The second selective medium for detecting the presence of Salmonella spp. in accordance with PN-EN ISO 6579-1:2017-04, PN-EN ISO 6579-1:2017-04/A1:2020-09 is RVS broth and Brilliance Salmonella/Agar.

Coliform incubation temperature used: 37°C±1°C.

NOTE: The original test reports are issued as PDF file, signed with a qualified electronic signature. Therefore, all prints are copies, unless certified to be true to the original PDF file.

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

Created on:	**Authorized by:**	**Approved by:**	
25-04-2023	GBA POLSKA employee no.: 2244 GBA POLSKA employee no.: 2282 GBA POLSKA employee no.: 2337 GBA POLSKA employee no.: 2486 GBA POLSKA employee no.: 2522 GBA POLSKA employee no.: 2565 GBA POLSKA employee no.: 2642	Senior Food Specialist GBA POLSKA employee no.: 2653	**Signed with a qualified electronic signature**