GBA POLSKA

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/0/10/2023/909/FM/1/EN

Customer:

Order No.: Ł/0/10/2023/909

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:	
Product name:	**Myo-inositol Powder** **Date*: 10.10.2023**
Producer:	LABS212 Sp. z o. o
Date of production:	no data
Lot number:	14069; Best before end: 10/2025

Samples collected according to:
Samples transported by: Shipping
Sample receiver: GBA POLSKA employee no.: 2721

Sample no.: 13816/10/23 Sample evaluation: unreservedly Analysis start date: 10-10-2023 Analysis end date: 15-10-2023

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	MU**	N
Ł	Count of yeasts and moulds	cfu/g	AE	PN-ISO 7954:1999	≤1.0 x 10^2 ; cfu/g ; Client's requirements	<1,0 x 10^1		
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	absent in 1g; Principal's requirements	absent in 1g		
Ł	Presence of presumptive Escherichia coli	1g	AE	PN-ISO 7251:2006	absent in 1g; Principal's requirements	absent in 1g		
Ł	Presence of Salmonella spp.	25g	AE	PN-EN ISO 6579-1:2017-04, PN-EN ISO 6579-1:2017-04/A1:2020-09	Absent in 25g; Customer requirements	not detected in 25g		
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	≤1.0 x 10^4 ; cfu/g ; Client's requirements	<1,0 x 10^1		
Ł	2 - chloroethanol (as ethylene oxide)	mg/kg	AE	PB-301/LF ed. 4 of 06.12.2022	no requirements	< 0,010		
Ł	Ethylene oxide	mg/kg	AE	PB-301/LF ed. 4 of 06.12.2022	no requirements	< 0,010		

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	MU**	N
Ł	Ethylene oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide)	mg/kg	AE	PB-301/LF ed. 4 of 06.12.2022	≤ 0.2; mg / kg; Principal's requirements	< 0,010		
Ł	Gluten as an allergen	mg/kg	AE	PB-259/LF, ed. 3 of 03.01.2022	≤ 20 ; mg/kg ; Client's requirements	< 5,0		
Ł	Arsenic	mg/kg	AE	PN-EN 15763:2010	no requirements	< 0,010		
Ł	Cadmium	mg/kg	AE	PN-EN 15763:2010	≤ 1; mg / kg; Principal's requirements	< 0,002		
Ł	Lead	mg/kg	AE	PN-EN 15763:2010	≤ 3; mg / kg; Principal's requirements	< 0,010		
Ł	Mercury	mg/kg	AE	PN-EN 15763:2010	≤ 0.1; mg / kg; Principal's requirements	< 0,001		
Ł	Pyrrolizidine alkaloids content (total) (BfR 28)	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	≤ 400 ; mg/kg ; Client's requirements	< 1,0		
Ł	Pyrrolizidine alkaloids content (total) (Commision Regulation (EU) 2023/915)	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Tropane alkaloids content (total)	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Atropine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Echimidine and Heliosupine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Erucifoline	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Europine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Heliotrine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	MU**	N
Ł	Content of Intermedine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Jacobine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Lasiocarpine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Lycopsamine and Indicine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Monocrotaline	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Echimidine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Erucifoline-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Europine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Heliosupine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Heliotrine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Intermedine-N-oxide, Indicine-N-oxide, Echinatine-N-oxide and Rinderine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Jacobine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Lasiocarpine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Lycopsamine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	MU**	N
Ł	Content of Monocrotalin-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Retrorsine-N-oxide and Usaramine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Senecionine-N-oxide, Integerrimine-N-oxide and Senecivernine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Seneciphylline-N-oxide and Spartioidine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Retrorsine and Usaramine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Rinderine and Echinatine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Seneciphylline and Spartioidine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Senecivernine, Integerrimine and Senecionine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Senkirkine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Scopolamine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		
Ł	Content of Trichodesmine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0		

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:

Results comply with the limits in the Specification.

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.

Braid Parker RPF/agar was used to detect coagulase-positive staphylococci.

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:**	
20-10-2023	GBA POLSKA employee no.: 2244 GBA POLSKA employee no.: 2420 GBA POLSKA employee no.: 2486 GBA POLSKA employee no.: 2705	Senior Food Specialist GBA POLSKA employee no.: 2653	**Signed with a qualified electronic signature**