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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/0/02/2025/797/F/1/EN

Customer: SFD S.A 45-315 Opole, ul. Głogowska 41

Order No: B/0/02/2025/797

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).

Material/product tested:	**Dietary supplements**
Sample collection address:	*45-323 Opole, Zielonogórska 4*
Product name:	***ALLNUTRITION BERBERINE 90 caps*** **Date*: 18 February 2025**
Producer:	*SFD SA*
Date of production:	*Cc: 01.2027*
Lot number:	*001*

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

Sample no: 30715/02/25 Sample condition: correct Analysis start date: 18-02-2025 Analysis end date: 24-02-2025

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	U	S
M	Benzo(a)pyrene	µg/kg	AE	PB-258/LF ed. 5 dated 02.01.2022	≤ 10.0 ; µg/kg ; Principal's Requirements; COMMISSION REGULATION (EU) 2023/915 of 25 April 2023	< 1,30	0.20	CONFORMING
M	Content of Polycyclic Aromatic Hydrocarbons (PAH) (from calculation) (benzo(a)pyrene, chrysene, benzo(a)anthracene, benzo (b)fluoranthene)	µg/kg	AE	PB-258/LF ed. 5 dated 02.01.2022	≤ 50.0; µg/kg; Principal's Requirements; COMMISSION REGULATION (EU) 2023/915 of 25 April 2023	< 1,30	0.21	CONFORMING
Ł	Content of Echimidine and Heliosupine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Erucifoline	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Europine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Heliotrine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Intermedine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Jacobine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	U	S
Ł	Content of Lasiocarpine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Lycopsamine and Indicine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Monocrotaline	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Echimidine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Erucifoline-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Europine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Heliosupine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Heliotrine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
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	0.4	-
Ł	Content of Jacobine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Lasiocarpine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Lycopsamine-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Monocrotalin-N-oxide	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
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	0.4	-

Lab.	Analyzed parameter	Unit	Accred.	Test method	Requirement	Result	U	S
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	0.4	-
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	0.4	-
Ł	Content of Retrorsine and Usaramine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Rinderine and Echinatine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Seneciphylline and Spartioidine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Senecivernine, Integerrimine and Senecionine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Senkirkine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Content of Trichodesmine	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Pyrrolizidine alkaloids content (total) (BfR 28)	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	no requirements	< 1,0	0.4	-
Ł	Pyrrolizidine alkaloids content (total) (Commision Regulation (EU) 2023/915)	µg/kg	A	PB-310/LF ed. 1 of 14.12.2022	≤ 400.0; µg/kg; Principal's Requirements; COMMISSION REGULATION (EU) 2023/915 of 25 April 2023	< 1,0	0.4	CONFORMING
Ł	2 - chloroethanol (as ethylene oxide)	mg/kg	AE	PB-301/LF ed. 4 of 06.12.2022	no requirements	< 0,010	0.005	-
Ł	Ethylene oxide	mg/kg	AE	PB-301/LF ed. 4 of 06.12.2022	no requirements	< 0,010	0.005	-
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	no requirements	< 0,010	0.005	-

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 – 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.
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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The Laboratory does not store the samples after testing, unless otherwise agreed with the Customer.
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, 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 tested sample meets the requirements indicated above as “conforming” in terms of the tested parameters.
In determining Statement of Conformity, the principle of simple acceptance described in the guidelines of document ILAC-G8-09/2019 has been applied. For results close to the tolerance/specification limit, the risk of false acceptance is up to 50%.

Created on:	Authorized result:	Authorized Test report:	
24-02-2025	GBA POLSKA employee no.: 2422 GBA POLSKA employee no.: 2522 GBA POLSKA employee no.: 2860	Documentation specialist for the food testing industry GBA POLSKA employee no: 2879	**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