Analytical report AR-24-HD-036675-03

Testing laboratory:

Eurofins Food & Feed Testing Czech Republic s.r.o.
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Customer:

BRAINMARKET s.r.o.
Hladnovská 83/93
SLEZSKÁ OSTRAVA - MUGLINOV
712 00 OSTRAVA
CZECH REPUBLIC

Issue date 03.12.2024

Sample code 540-2024-00057849

Sample reception date: 25.10.2024
Date of Testing 25.10.2024 - 04.11.2024

Sample information:

Sample name, extended: [1] BrainMax Spermidine Chlorella, 100 rostlinných kapslí
Sample description: [1] 005-32407-189873
Client Purchase order nr.: Chlorella Spermidine 2 typy
Order date: 23.10.2024
Client sample code: [1] 61296
Sampler: Customer
Additional sample description: šarže 0802924

Physical and chemical tests

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Brutto sample weight of supplied sample	g	245	2%	SOP MB.005.PB	Gravimetry	A
2-Phenylethylamine	mg/kg	<1 (LOQ)		Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
Cadaverine	mg/kg	17.4	2.436	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
Histamine	mg/kg	1.77	0.283	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
Putrescine	mg/kg	278	72.280	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
Spermidine	mg/kg	7210	1009.400	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
Spermine	mg/kg	31.8	6.996	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
Tryptamine	mg/kg	26.0	5.200	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
Tyramine	mg/kg	6.80	0.544	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
Capsule weight, whole	g/Capsule	0.361		Ph. Eur. 3th Ed., 1997, 2.9.5, 1315.01	Gravimetry	SN

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
Testing performed on whole capsule		Yes			Testing on whole capsules	SN
Temperature at reception (Vitamin Center)	°C	16.5		Internal Method	Thermometry	SN

Additional information

Conversion per capsule:
2-phenylethylamine: <0,000362 (LOQ)/Capsule
Cadaverine: 0.00627 mg/Capsule
Histamine: 0.000639 mg/Capsule
Putrescine: 0.100 mg/Capsule
Spermidine: 2.60 mg/Capsule
Spermine: 0.0115 mg/Capsule
Tryptamine: 0.00939 mg/Capsule
Tyramine: 0.00246 mg/Capsule

Decision rule: If the testing laboratory issues a statement of conformity, the decision-making rule according to ch. 4.2.1 of ILAC document G8:09/2019 Guidelines for the use of decision rules and statement of conformity. In such a case, the measurement uncertainty is not taken into account for the conformity statement. If measurement uncertainty is included the decision, this information is included in the statement of conformity. In such a case, proceed according to chap. 4.2.3 ILAC G8:09/2019.

Notes:

SOP, ŠPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
SN - subcontracted not accredited test

TZ - type of test
A - test within the accreditation scope of EUROFINS CZ
N - test outside of the accreditation scope of EUROFINS CZ
SA - subcontracted accredited test

* - the expanded measurement uncertainty, as determined by the extension coefficient k = 2 (with a 95% probability), does not include sampling uncertainty; if the measurement uncertainty is expressed in %, it is its relative value
LOD – limit of detection, LOQ – limit of quantification, result between LOD and LOQ = detected
1) - Information supplied by customer
Unless otherwise stated in the notes, the place of the tests performance is workplace No. 1 - Prague - of EUROFINS CZ testing laboratory.

If the information supplied by the customer could have be to affect the validity of the results, the laboratory disclaims responsibility. For samples supplied by the customer, the results relate to the sample as received and provided by the customer. The measuring devices and gauges used for the test / tests have been calibrated and verified according to valid metrological regulations. The results of the measurements relate only to the subject of the tests and do not replace other documents, e.g. of an administrative nature. The result identified as subcontracting in this protocol is the result of subcontractor measurements based on contract, order. The protocol may be reproduced or incorporated into promotional materials only with the written consent of the EUROFINS CZ Testing Laboratory and only to the extent of such approval. Any alteration, reproduction of part of the test report is not permitted and such analytical report automatically becomes invalid. The authenticity and completeness of the report can be verified at the EUROFINS CZ test laboratory stated in the header of analytical report. This Test Report has been issued in accordance with the applicable Conditions of service available on request and accessible at www.eurofins.cz.

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Worked out by: Pavlína Hejduková
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Test Certificate approved by:
Jitka Pinkrová
Head of Laboratory

Evaluation of the results to the Analytical report No.: AR-24-HD-036675-03

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Evaluation is based on analyzes and tests specified in the test report no. **AR-24-HD-036675-03**

Sample name, extended: BrainMax Spermidine Chlorella, 100 rostlinných kapslí
Sample description: 005-32407-189873

Appraisal of accordance/discordance

The result of the measurement of the monitored parameter - spermidine is in accordance with the declaration taking into account the measurement uncertainty (the manufacturer declares spermidine content 2.5 mg/capsule).

Warning: Test results cannot be substituted by any inspection or certification of products.

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In Prague on: 03.12.2024

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