

**Analytical report AR-24-HD-036676-03**

**Testing laboratory:**

Eurofins Food & Feed Testing Czech Republic s.r.o.  
 Zkušební laboratoř EUROFINS CZ  
 Radiová 1285/7  
 102 00 Praha 10 - Hostivař  
 IČO: 27449408  
 tel.: +420 778 488 111 E-mail: ClientService.cz@ftcee.eurofins.com

**Customer:**

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

**Issue date 03.12.2024**
**Sample code 540-2024-00057850**

**Sample reception date:** 25.10.2024  
**Date of Testing** 25.10.2024 - 04.11.2024

**Sample information:**

Sample name, extended: <sup>1)</sup> BrainMax Chlorella Spermidine Organic - 500 caps  
 Sample description: <sup>1)</sup> 005-32407-189874  
 Client Purchase order nr.: Chlorella Spermidine 2 typy  
 Order date: 23.10.2024  
 Client sample code: <sup>1)</sup> 61407/500  
 Sampler: Customer  
 Additional sample description: V1470-4826

**Physical and chemical tests**

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
<b>Brutto sample weight of supplied sample</b>	g	190	2%	SOP MB.005.PB	Gravimetry	A
<b>2-Phenylethylamine</b>	mg/kg	<1 (LOQ)		Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
<b>Cadaverine</b>	mg/kg	5.37	0.752	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
<b>Histamine</b>	mg/kg	<1 (LOQ)		Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
<b>Putrescine</b>	mg/kg	326	84.760	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
<b>Spermidine</b>	mg/kg	1270	177.800	Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
<b>Spermine</b>	mg/kg	<1 (LOQ)		Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
<b>Tryptamine</b>	mg/kg	<5 (LOQ)		Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
<b>Tyramine</b>	mg/kg	<1 (LOQ)		Czech J. Food Sci. Vol.21	LC-UV/DAD	SA
<b>Tablet weight</b>	g/Tablet	0.504	0.030	Ph. Eur. 3th Ed., 1997, 2.9.5, 1315.01	Gravimetry	SN

Parameter	Unit	Result	Uncertainty of measurement *	Method	Method principle	TZ
<b>Temperature at reception (Vitamin Center)</b>	°C	16.5		Internal Method	Thermometry	SN

**Additional information**

Conversion per tablet:

2-phenylethylamine: <0,000505 (LOQ) mg/Tablet

Cadaverine: 0.00271 mg/Tablet

Histamine: <0,000505 (LOQ) mg/Tablet

Putrescine: 0.164 mg/Tablet

Spermidine: 0.642 mg/Tablet

Spermine: <0,000505 (LOQ) mg/Tablet

Tryptamine: <0,00253 (LOQ) mg/Tablet

Tyramine: <0,000505 (LOQ) mg/Tablet

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	TZ - type of test
ND - not detected by given method	A - test within the accreditation scope of EUROFINS CZ
CFU - Colony forming unit	N - test outside of the accreditation scope of EUROFINS CZ
NM - necessary quantity	SA - subcontracted accredited test
SN - subcontracted not 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](http://www.eurofins.cz).

Responsible for correctness: Pavlína Hejduková

Worked out by: Pavlína Hejduková

No. of document: 202412315391644

Validity check of document

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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-036676-03

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Evaluation is based on analyzes and tests specified in the test report no. **AR-24-HD-036676-03**

**Sample name, extended:** BrainMax Chlorella Spermidine Organic - 500 caps  
**Sample description:** 005-32407-189874

**Appraisal of accordance/discordance**

The result of the measurement of the monitored parameter - spermidine is not in accordance with the declaration taking into account the measurement uncertainty (the manufacturer declares spermidine content 2 mg/4 capsules, i.e. 0.5 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



Jitka Pinkrová  
Head of Laboratory

Eurofins Food & Feed Testing  
Czech Republic s.r.o.  
Radiová 1285/7  
102 00 Praha 10 - Hostivař ⓘ  
IČO: 27449408, DIČ: CZ27449408