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AGROLAB LUFA GmbH, Dr.-Hell-Str. 6, 24107 Kiel

Customer no.: 10083618

Vanatari International GmbH
Pankstr. 8, Aufgang R
13127 Berlin

TEST REPORT

Date: 31.07.2026

Order	3809896 Wowtamins B12 Energiespritzer
Analysis number	189365
Customer sample description	B12 Energiespritzer Nahrungsergänzungsmittel mit Vitamin B12 Charge: 0373470126 MHD: 31.05.2028
Sample acceptance	15.06.2026
Date of sampling	no information
Brand	wowtamins
Packaging	3x Original, 30 ml, 170 Sprüh.

Metals

Parameter	Unit	Result	Reg. (EU) 2023/915 [1)]	Substance	Method
Aluminium (Al)[5)]	mg/kg	<10,0[2)]		OS	DIN EN 15763 : 2010-04 (mod.)

Heavy metals

Parameter	Unit	Result	Reg. (EU) 2023/915 [1)]	Substance	Method
Lead (Pb)	mg/kg	<0,50[2)]	≤3	OS	DIN EN 15763 : 2010-04
Cadmium (Cd)	mg/kg	<0,20[2)]	≤1	OS	DIN EN 15763 : 2010-04
Mercury (Hg)	mg/kg	<0,02[2)]	≤0,1	OS	DIN EN 13806 : 2002-11
Arsenic (As)	mg/kg	<0,50[2)]		OS	DIN EN 15763 : 2010-04

Microbiological examinations

Parameter	Unit	Result	Reg. (EU) 2023/915 [1)]	Substance	Method
Aerobic mesophilic plate count (total plate count)	cfu/g	<10 (LOD)[3)]		OS	DIN EN ISO 4833-1 : 2022-05
Enterobacteriaceae	cfu/g	<10 (LOD)[3)]		OS	RAPID'Enterobacteriaceae®; AFNOR-certificate No: BRD 07/24-11/13 : 2021-10 (validated in reference to NF EN ISO 21528-2:2017-07)
Escherichia coli[4)]	cfu/g	<100 (LOD)[3)]		OS	DIN ISO 16649-2 : 2020-12
Staphylococcus, coagulase-positive[6)]	cfu/g	<100 (LOD)[3)]		OS	DIN EN ISO 6888-1 : 2024-03
Yeasts	cfu/g	<100 (LOD)[3)]		OS	ISO 21527-2 : 2008-07
Moulds	cfu/g	<100 (LOD)[3)]		OS	ISO 21527-2 : 2008-07

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AG Kiel
HRB 5796
Ust./VAT-ID-Nr:
DE 813 356 511

Geschäftsführer
Dr. Stephanie Nagorny
Dr. Paul Wimmer
Dr. Torsten Zurmühl

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Date: 31.07.2026

Order 3809896 Wowtamins B12 Energiespritzer
Analysis number 189365

Parameter	Unit	Result	Reg. (EU) 2023/915 [1)]	Substance	Method
Presumptive Bacillus cereus	cfu/g	<100 (LOD)[3)]		OS	AFNOR validated in reference to ISO 7932 (bioMérieux BACARA 2®, Certificate AES 10/10-07/11 : 2022-06)
Salmonella spp[7)]	in 25g	not detected		OS	ISO 6579-1 : 2017-02

Sensory examinations

Parameter	Unit	Result	Reg. (EU) 2023/915 [1)]	Substance	Method
Sensory, descriptive examination		see below		OS	DIN 10964 : 2014-11 (mod)
Packaging inspection scan*[)]		see below		OS	no information

[1)] Reg. (EU) 2023/915: Commission Regulation (EU) 2023/915 of 25 April 2023 on maximum levels for certain contaminants in food, in version currently in force
[2)] Explanation: "<" or "n.q." represent the fact that the concentration of the analyte is below the limit of quantification (LOQ).
[3)] The sign "<"...."(LOD)" or n.d. in column result means, the substance concerned cannot be detected within the limit of detection.
[4)] **Remark to Escherichia coli:**
According to the National Footnote, these are presumptively determined ß-glucuronidase-positive Escherichia coli.
[5)] In the present sample, aluminum was analyzed by acid digestion and ICP-MS. Due to the amphoteric properties of aluminium, it cannot be excluded that underfindings may occur, especially in the case of aluminium of mineral origin.
[6)] **Remark to Staphylococcus, coagulase-positive:**
Results below 150 cfu/g are considered as estimates.
[7)] **Remark to Salmonella spp.:**
In the testing of Salmonella spp. according to ISO 6579-1 Salmonella Typhi and Salmonella Paratyphi are not included. These bacteria/germs are hardly found in food.If on the side of the customer there is a justified case of suspicion these two subspecies can be analysed by a PCR test, which needs to be ordered separately by the customer.In case of positive Salmonella results a confirmation of Salmonella spp. was conducted by MALDI-TOF.
Explanation: Substance: OS=original substance, DS=dry substance

According to the extent of the analysis the sample complies with the requirements of Commission Regulation (EU) 2023/915 of 25 April 2023 on maximum levels for certain contaminants in food, in version currently in force.

Note:

Sensorische Prüfung:
Aussehen/ Farbe: rosa, klar
Geruch/ Geschmack: süßlich, leicht nach Kirscharoma

Verpackungsprüfung:
Das wowtamins "B12 Energiespritzer" ist abgefüllt in einer braunen Glassprühflasche mit bunt bedrucktem Etikett. Das MHD, die Chargennummer und die Nennfüllmenge von e 30 ml befinden sich auf der Flasche.
Die Verpackung ist vor dem Öffnen unbeschädigt.

Verkehrsfähigkeit:
Obengenanntes Produkt entspricht nach Art und Umfang der dargelegten Prüfungen den Vorschriften des deutschen Lebensmittelrechts und ist aus hiesiger Sicht insoweit in Deutschland verkehrsfähig.

----------ENGLISH VERSION----------

A declaration check and a check of the recommended daily dose was not carried out.

Sensory evaluation:
Appearance/Color: pink, clear

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Date: 31.07.2026

Order	3809896 Wowtamins B12 Energiespritzer
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Smell/Taste: sweet, with a slight cherry aroma

Packaging inspection:
The wowtamins “B12 Energy Boost” is packaged in a brown glass spray bottle with a colorfully printed label. The best-by date, lot number, and nominal volume of 30 ml are printed on the bottle.
The packaging is undamaged before opening.

Marketability:
The above-named product meets according to the manner and extent of the presented testings the provisions of German Food Law. In this respect and in our opinion the product is marketable in Germany.

Norm modification

DIN EN 15763 : 2010-04 (mod.)	Extension for the following elements: Al, Co, Cr, Mo, Ni, Sb, Se, Sn, Tl, U, V, Cu, Mn, reduction of the method for Hg

Start of testing: 26.06.2026
End of testing: 06.07.2026

The results are related only to the samples tested. In cases where the laboratory has not been responsible for sampling, the reported results apply to the samples as received. The laboratory is not responsible for the information provided by the customer. The customer information, if any, presented in this test report is not subject to the accreditation of the laboratory and may affect the validity of the test results. Duplication of this document or of parts of it requires the authorization from laboratory.

In conformity assessment, the economic approach is applied as the decision rule (a non-conformity exists if the measurement result including measurement uncertainty is above the specification or standard), as long as nothing else has been determined by corresponding legal or normative bases.

AGROLAB LUFA GmbH, Service-Team L3, Phone: 0431 1228-339
Email: serviceteaml3.lufa@agrolab.de
Group leader: Maike von Fintel
Food chemist/counter-sampling expert

AG Kiel
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TEST REPORT

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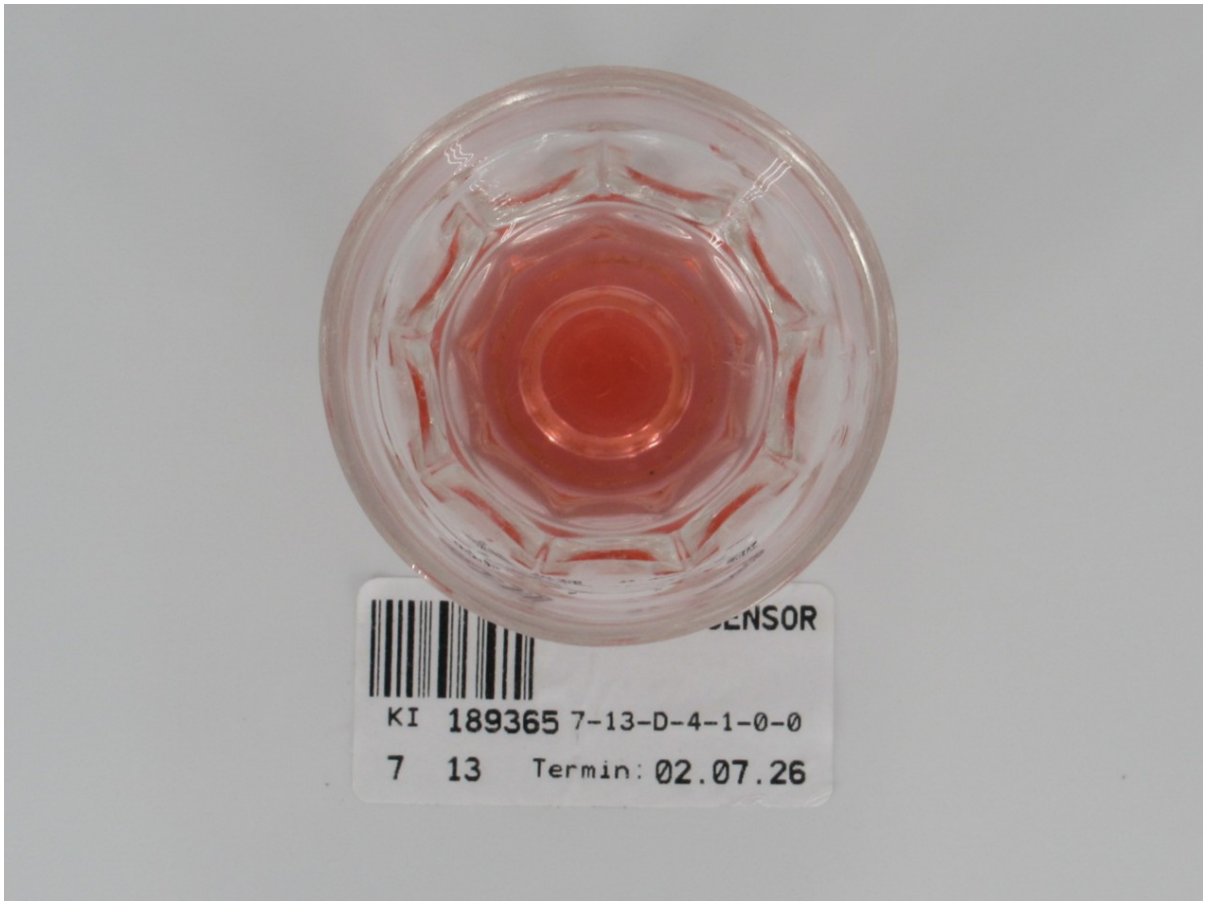
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