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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: 10.09.2026

Order	3816009 Wowtamins Teens Complete Gummies zuckerfrei
Analysis number	199706
Customer sample description	Teens Complete Gummies; Nahrungsergänzungsmittel mit Vitaminen, Mineralstoffen, DHA- und EPA-reichem Öl aus der Mikroalge Schizochytrium sp. und Süßungsmittel; Charge: 260343; MHD: 30.11.2027
Sample acceptance	26.06.2026
Date of sampling	no information
Brand	wowtamins
Packaging	1x Original, 340 g, 120 Stück

Additional information:
Deklaration und Ergebnis beziehen sich auf eine Tagesdosis von 4 Gummies (Gewicht pro Stück gemäß Deklaration: 2,83 g).

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

The nutritional information and results refer to a daily dosis of 4 gummies (weight per piece as stated on the label: 2.83 g).

Trace elements / Halogens

Parameter	Unit	Result	Declaration	Substance	Method
Iodine (I)	µg/4 gummies	111	90	OS	DIN EN 15111 : 2007-06
Selenium (Se)	µg/4 gummies	32,3	24	OS	DIN EN 15763 : 2010-04 (mod.)
Zinc (Zn)	mg/4 gummies	5,11	4,5	OS	DIN EN 16943 : 2017-07

Vitamins / vitamin-like substances

Parameter	Unit	Result	Declaration	Substance	Method
Vitamin K2, MK-7[v)]	µg/100g	415,2		OS	PV-SA-159 (LC-MS/MS) : 2024-01[(BI)]
Biotin	µg/4 gummies	42,7	30	OS	MP-03880-DE : 2026-07 (LC-MSMS)
Niacin	mg/4 gummies	13,1	8,5	OS	MP-03880-DE : 2026-07 (LC-MSMS)
Pantothenic acid	mg/4 gummies	6,44	5	OS	MP-03880-DE : 2026-07 (LC-MSMS)

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

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

ilac-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-14082-01-00

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Parameter	Unit	Result	Declaration	Substance	Method
Vitamin B1 (calc. as thiamine hydrochloride-HCL)	mg/4 gummies	1,85	1,27	OS	MP-03880-DE : 2026-07 (LC-MSMS)
Vitamin B1, calculated as thiamine (F=0.787)	mg/4 gummies	1,45	1	OS	calculated
Vitamin B2 (expressed as riboflavin)	mg/4 gummies	1,37	1	OS	MP-03880-DE : 2026-07 (LC-MSMS)
Vitamin B12 (based on cyanocobalamine)	µg/4 gummies	4,09	4	OS	USP 39, method 171 : 2016 (mod.)
Folic acid	µg/4 gummies	341	300	OS	DIN EN 14131 : 2003-09 (mod.)
Vitamin A (Retinole)	IE/4 Gummies	2610	1830	OS	REG (EC) 152/2009, IV, A, consolidated version : 2024-04 (mod.)
Vitamin A (Retinole)	µg/4 gummies	782	550	OS	calculated
Vitamin D3	IE/4 Gummies	1280	1000	OS	DIN EN 12821 : 2009-08 (mod.)
Vitamin D3	µg/4 gummies	32,1	25	OS	calculated
Vitamin E, det. as DL-alpha-Tocopherol	mg/4 gummies	18,8	14,9	OS	REG (EC) 152/2009, IV, B, consolidated version : 2024-04 (mod.)
Vitamin E, calc. as alpha-TE, (F=0,74)[1)]	mg/4 gummies	13,9	11	OS	calculated
Vitamin E, calc. as alpha-TE, (F=0.5)[2)]	mg/4 gummies	9,41	11	OS	calculated
L-ascorbic acid (vitamin C)	mg/4 gummies	105	85	OS	MP-01375-DE : 2024-09 (HPLC)

[1)] **Note on vitamin E, calc. as alpha-TE, (F=0,74):**
Factor: 0.74 according to the vitamin conversion table of the GDCh's "Fragen der Ernährung" working group (as of 2006)The declaration for vitamin E, calc. as DL-alpha-tocopherol, is calculated from the declaration data for the parameter vitamin E, calc. as alpha-TE (F=0.74).
[2)] **Note on vitamin E, calc. as alpha-TE, (F=0,5):**
Factor: 0.5 according to the vitamin conversion table of the GDCh's "Fragen der Ernährung" working group (as of: November 2025)
Explanation: Substance: OS=original substance, DS=dry substance

Additional information:
Vitamin K2: 47,1 µg/2 Gummies *(Deklaration: 35 µg/2 Gummies)*

Vitamin E, ber. als alpha-TE, (F=0,5): Neuer Umrechnungsfaktor im November 2025 veröffentlicht (GDCh) - eine Übergangsfrist ist nicht bekannt. Es wird empfohlen, den neuen Faktor anzuwenden.

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.

Hinweis Niacin:
Der ermittelte Niacin-Gehalt weicht von der angegebenen Nährwertkennzeichnung ab.

In der Probe wurde ein Niacin-Gehalt von 13,1 mg/4 Gummies bestimmt. In der Nährwertkennzeichnung ist ein Niacin-Gehalt von 8,5 mg/4 Gummies angegeben.

Gemäß dem LEITFADEN FÜR ZUSTÄNDIGE BEHÖRDEN - KONTROLLE DER EINHALTUNG DER EU-RECHTSVORSCHRIFTEN: Verordnung (EU) Nr. 1169/2011 [...] in Bezug auf die Festlegung von Toleranzen für auf dem Etikett angegebene Nährwerte (Stand: Dezember 2012) beträgt die Toleranz für Vitamine in Nahrungsergänzungsmitteln +50 % (inklusive Messunsicherheit).

Der ermittelte Niacin-Gehalt liegt damit knapp außerhalb dieses Toleranzbereiches.

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Befindet sich ein Messwert außerhalb des Toleranzbereichs sind die Aspekte Punkt 2.4 des Toleranzleitfadens zu berücksichtigen. Beispielsweise sind das Ausmaß der Abweichung, sowie eine hohe analytische Variabilität bei Nährstoffen in einer bestimmten Lebensmittelmatrize zu berücksichtigen.

Es wird dringend empfohlen weitere Chargen hinsichtlich des Niacin-Gehaltes zu überprüfen und gegebenenfalls die Rezeptur anzupassen.

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

Vitamin K2: 47.1 µg/2 gummies *(Declaration: 35 µg/2 gummies)*

Vitamin E, calculated as alpha-TE, (F=0.5): New conversion factor published in November 2025 (GDCh) – no transition period has been announced. It is recommended to apply the new factor.

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.

Note on niacin:
The measured Niacin content differs from the value stated on the label.

A niacin content of 13.1 mg/4 Gummies was measured in this sample. The label states a niacin content of 8.5 mg/4 Gummies.

According to the GUIDELINES FOR COMPETENT AUTHORITIES - CONTROL OF COMPLIANCE WITH EU LEGISLATION: Regulation (EU) No. 1169/2011 [...] regarding the establishment of tolerances for nutrient values declared on the label (as of December 2012), the tolerance for vitamins in food supplements is -20% (including measurement uncertainty).

The determined niacin content is therefore outside this tolerance range.

If a measured value falls outside the tolerance range, the aspects of section 2.4 of the tolerance guidelines must be taken into account. For example, the extent of the deviation and high analytical variability in nutrients within a specific food matrix must be taken into account.

It is strongly recommended to check further batches for their niacin content and, if necessary, to review the formulation.

Norm modification

DIN EN 12821 : 2009-08 (mod.)	saponification without addition of Na2S, single extraction of a defined aliquot of the saponification mixture in 15 ml petroleum spirit, optional sample grinding
DIN EN 14131 : 2003-09 (mod.)	Extension to matrix feed; adaptation of the enzyme treatment process step; additional determination of free folate
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
REG (EC) 152/2009, IV, A, consolidated version : 2024-04 (mod.)	extension to matrix food, saponification without addition of Na2S, one-time extraction of a defined aliquot of the saponification preparation in 15 ml petroleum spirit, optional sample grinding.
REG (EC) 152/2009, IV, B, consolidated version : 2024-04 (mod.)	extension to matrix food, saponification without addition of Na2S, one-time extraction of a defined aliquot of the saponification preparation in 15 ml petroleum spirit, optional sample grinding.
USP 39, method 171 : 2016 (mod.)	The concentration of sodium disulphite in the extraction solution is not adjusted to the sample weight

[v)] External service
Externally provided service by:
(BI) bilacon GmbH, An der Industriebahn 5, 13088 BERLIN, accredited according to DIN EN ISO/IEC 17025:2018 for the cited method, certificate of Accreditation: D-PL-14400-01-00 DAkkS

Unless otherwise specified, the calculation of the measurement uncertainties given in the following table is based on the GUM (Guide to the expression of uncertainty in measurement, BIPM, IEC, IFCC, ISO, IUPAC, IUPAP and OIML, 2008) and the Nordtest Report (Handbook for calculation of measurement uncertainty in environmental laboratories (TR 537 (ed. 4) 2017). This is therefore a very reliable value with a 95% confidence level (confidence interval). Deviations from this are indicated as entries in the column "Deviating determination method".

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Parameter	Deviating determination method	Analytical measurement uncertainty
L-ascorbic acid (vitamin C)	Estimation	20%
Vitamin A (Retinole) [IE/4 Gummies]	VDLUFA ASR	24%
Vitamin B12 (based on cyanocobalamine), Folic acid, Biotin		30%
Vitamin D3 [IE/4 Gummies]	VDLUFA ASR	30%
Vitamin E, det. as DL-alpha-Tocopherol, Zinc (Zn)	VDLUFA ASR	16%
Selenium (Se)	VDLUFA ASR	33%
Iodine (I), Vitamin B1 (calc. as thiamine hydrochloride-HCL), Vitamin B2 (expressed as riboflavin), Pantothenic acid		20%
Vitamin K2, MK-7[V)]		25%
Niacin		15%

Start of testing: 26.06.2026
End of testing: 28.08.2026

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.

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Group leader: Maike von Fintel
Food chemist/counter-sampling expert

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