



## CERTIFICATE OF ANALYSIS

**Work Order** : FP2204300 **Issue Date** : 01-Mar-2022

**Customer** : BEWIT FRANCHISE, s.r.o. **Laboratory** : ALS Czech Republic, s.r.o.

**Contact** : **Contact** : F&P Client Service

**Address** : ----- **Address** : Na Harfe 336/9 Prague 9 - Vysocany  
190 00 Czech Republic

**E-mail** : ----- **E-mail** : czsupport.food@alsglobal.com

**Telephone** : ----- **Telephone** : +420 226 226 998

**Project** : ----- **Page** : 1 of 3

**Order number** : ----- **Date Samples** : 15-Feb-2022

**Quote number** : PR2021BEWFR-CZ0001  
(CZ-114-21-0000)

**Site** : Bewit Franchise, s.r.o. **Date of test** : 16-Feb-2022 - 01-Mar-2022

**Sampled by** : Zákazník **QC Level** : ALS CR Standard Quality Control  
Schedule

### General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Vzorek FP2204300/001: Zmerena koncentrace benzo(a)pyrenu a sumy 4 PAU je pod maximalnim limitem definovanim pro doplnky stravy obsahujici rostlinne latky, propolis, materi kasicku, rasu spirulina nebo pripravky z nich; susene byliny a susene koreni (Narizeni komise (EU) c. 2015/1933). Maximalni limit pro benzo(a)pyren je 10 µg/kg, pro sumu 4 PAU (benzo[a]pyren, benzo[a]anthracen, benzo[b]fluoranthen a chrysen) je 50 µg/kg.

### Responsible for accuracy

Testing Laboratory No. 1163  
Accredited by CAI according to  
CSN EN ISO/IEC 17025:2018

#### Signatories

Marek Jiricek

#### Position

Food & Pharmaceutical Manager



The company is certified according to ČSN EN ISO 14001 (Environmental management systems) and ČSN ISO 45001 (Occupational health and safety management systems)

### Sample Information

No. of samples received : 1  
No. of samples analysed : 1

Date Samples Received  
15-Feb-2022 14:00

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Bracketted 'Laboratory sample ID' indicates that no analysis was performed on the sample.

Sub-Matrix : POWDER

| Laboratory sample ID | Client sample ID   | Client sampling date / time |
|----------------------|--|-----------------------------|
| FP2204300-001        | Barley grass juice powder/ Prášek ze šťávy z mladého ječmene | 20-Jan-2022                 |



## Analytical Results

| Sub-Matrix: POWDER                              |            |        |       | Laboratory sample ID        |         | FP2204300-001 |      | -----  |      |
|---|------------|--------|-------|-----------------------------|---------|---------------|------|--------|------|
|   |            |        |       | Client sampling date / time |         | 20-Jan-2022   |      | ----   |      |
| Parameter                                       | Method     | LOR    | Unit  | Result                      | MU      | Result        | MU   | Result | MU   |
| <b>Microbiological Parameters</b>               |            |        |       |                             |         |               |      |        |      |
| Coagulase positive staphylococci                | B-COAG1    | 10     | CFU/g | <10                         | ---     | ----          | ---- | ----   | ---- |
| Escherichia coli                                | B-EC1      | 10     | CFU/g | <10                         | ---     | ----          | ---- | ----   | ---- |
| Moulds  | B-YEMOU1   | 10     | CFU/g | <10                         | ---     | ----          | ---- | ----   | ---- |
| Salmonella spp.                                 | B-SALMELI  | -      | --    | negative                    | ---     | ----          | ---- | ----   | ---- |
| Total Viable Count                              | B-TVC1     | 10     | CFU/g | 1.4E+04                     | ---     | ----          | ---- | ----   | ---- |
| Yeast   | B-YEMOU1   | 10     | CFU/g | 7E+01                       | ---     | ----          | ---- | ----   | ---- |
| <b>Total Metals / Major Cations</b>             |            |        |       |                             |         |               |      |        |      |
| Arsenic   | B-METMSDT1 | 0.10   | mg/kg | 1.40                        | ± 20.0% | ----          | ---- | ----   | ---- |
| Cadmium   | B-METMSDT1 | 0.040  | mg/kg | 0.047                       | ± 20.0% | ----          | ---- | ----   | ---- |
| Calcium   | B-METAXDG1 | 10     | mg/kg | 4520                        | ± 20.0% | ----          | ---- | ----   | ---- |
| Iron  | B-METAXDG2 | 1.0    | mg/kg | 131                         | ± 20.0% | ----          | ---- | ----   | ---- |
| Lead  | B-METMSDT1 | 0.050  | mg/kg | 0.051                       | ± 20.0% | ----          | ---- | ----   | ---- |
| Magnesium                                       | B-METAXDG1 | 3.0    | mg/kg | 2500                        | ± 20.0% | ----          | ---- | ----   | ---- |
| Mercury   | B-HG-AMAT  | 0.0030 | mg/kg | 0.0048                      | ± 20.0% | ----          | ---- | ----   | ---- |
| Phosphorus                                      | B-METAXDG1 | 2.0    | mg/kg | 5190                        | ± 20.0% | ----          | ---- | ----   | ---- |
| Potassium                                       | B-METAXDG1 | 10     | mg/kg | 42200                       | ± 20.0% | ----          | ---- | ----   | ---- |
| Zinc  | B-METMSDT1 | 0.50   | mg/kg | 22.9                        | ± 20.0% | ----          | ---- | ----   | ---- |
| <b>Polycyclic Aromatics Hydrocarbons (PAHs)</b> |            |        |       |                             |         |               |      |        |      |
| Benzo(a)pyrene                                  | B-PAHHMS01 | -      | µg/kg | <0.89                       | ---     | ----          | ---- | ----   | ---- |
| Benz(a)anthracene                               | B-PAHHMS01 | -      | µg/kg | <0.87                       | ---     | ----          | ---- | ----   | ---- |
| Chrysene  | B-PAHHMS01 | -      | µg/kg | <0.89                       | ---     | ----          | ---- | ----   | ---- |
| Benzo(b)fluoranthene                            | B-PAHHMS01 | -      | µg/kg | <0.89                       | ---     | ----          | ---- | ----   | ---- |
| Sum of PAH 4 - Lowerbound                       | B-PAHHMS01 | -      | µg/kg | 0                           | ---     | ----          | ---- | ----   | ---- |
| Sum of PAH 4 - Upperbound                       | B-PAHHMS01 | -      | µg/kg | 3.6                         | ---     | ----          | ---- | ----   | ---- |

Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.

Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

### The end of result part of the certificate of analysis

#### Brief Method Summaries

| Analytical Methods  | Method Descriptions  |
|---|--|
| <i>Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00</i> |  |
| B-COAG1   | CSN EN ISO 6888-1. Enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) by cultivation.   |
| B-EC1   | CSN ISO 16649-2. Enumeration of beta-glucuronidase-positive Escherichia coli by cultivation.   |
| B-HG-AMAT   | CZ_SOP_D06_04_024 (ČSN 46 5735, ČSN 75 7440, ČL, PhEur, USP, samples prepared as per CZ_SOP_D06_04_P01 chap. 10.1) Determination of Hg by atomic absorption spectrometry.  |
| B-METAXDG1  | CZ_SOP_D06_04_001 (US EPA 200.7, ČSN EN ISO 11885, Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by acids and hydrogen peroxide prior to analysis.               |
| B-METAXDG2  | CZ_SOP_D06_04_001 (US EPA 200.7, ČSN EN ISO 11885, Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by acids and hydrogen peroxide prior to analysis.               |
| B-METMSDT1  | CZ_SOP_D06_04_002 (US EPA 200.8, ČSN EN ISO 17294-2, ČSN EN 15111) Determination of elements by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by acids and hydrogen peroxide prior to analysis.          |
| B-SALMELI   | CZ_SOP_D06_04_309 (manual Solus). Detection of Salmonella by ELISA method - commercial set Solus Salmonella. Dosing of the sample for the detection of bacteria was done according to legislation requirements, unless stated otherwise in report comment. Enrichment and confirmation of the sample according to CSN EN ISO 6579-1. |
| B-TVC1  | CSN EN ISO 4833. Enumeration of microorganisms by cultivation.   |

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| Analytical Methods   | Method Descriptions   |
|--|---|
| B-YEMOU1   | CSN ISO 21527-1,2. Enumeration of yeasts and moulds by cultivation.   |
| <i>Location of test performance: V Raji 906 Pardubice - Zelene Predmesti Czech Republic 530 02</i> |   |
| B-PAHMS01  | <p>CZ_SOP_D06_06_180 except chap. 10.3.3.1 - 10.3.3.8 (US EPA 429, STN EN 16619):<br/>           Determination of polycyclic aromatic hydrocarbons by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values.<br/>           The samples were stored in laboratory in the darkness and under temperature &lt;4°C.<br/>           Actual LOQ are noticed in the attachment.<br/>           Estimation of measurement uncertainty (95% confidential interval) for each individual PAH is 30%, for sum of PAH4 is 20%.</p> |

A “\*” symbol preceding any method indicates laboratory or subcontractor non-accredited test. If the UNICO-SUB code is stated in the method table, this only informs that the tests have been performed by a subcontractor and the results are given in an annex to the test report, including information on test accreditation. In the case when a procedure specified in an accredited method was used for non-accredited matrix, the reported results are non-accredited; please refer to information in General Comment section on the front page. If the report contains subcontracted analyses, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.

The calculation methods of summation parameters are available on request in the client service.