# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| **Work Order** | : **FP2302477-AF** | Issue Date | : 09-Feb-2023 |
| Customer | : Jiří Macek | | |
| Client | : **DIACOM TECHNOLOGY INC s.r.o.** | Laboratory | : ALS Czech Republic, s.r.o. |
| Contact | : Mgr. Jiří Macek | Contact | : F&P Client Service |
| Address | : Jedová 189<br>277 11 Neratovice | Address | : Na Harfe 336/9 Prague 9 - Vysocany<br>190 00 Czech Republic |
| E-mail | : ---- | E-mail | : czsupport.food@alsglobal.com |
| Telephone | : ---- | Telephone | : +420 226 226 998 |
| Project | : ---- | Page | : 1 of 2 |
| Order number | : ---- | Date Samples Received | : 26-Jan-2023 |
| | | Quote number | : FP2023JMACE-CZ0001 (CZ-114-23-5011) |
| Site | : ---- | Date of test | : 27-Jan-2023 - 09-Feb-2023 |
| 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.

Sample(s) FP2302477/006, 009 : The benzo(a)pyrene concentrations and sum of 4 PAHs in the sample(s) are below the maximum levels defined for food supplements containing botanicals, propolis, royal jelly, spirulina or their preparations; dried herbs and dried spices with the exception of cardamon and smoked Capsicum spp. (Commission Regulation (EU) No 2015/1933). Maximum level for benzo(a)pyrene is 10 µg/kg; for sum of 4 PAHs (benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) is 50 µg/kg.

## Responsible for accuracy

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

| *Signatories* | *Position* |
|---|---|
| Jana Komínková | Food Laboratory 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 | *Date Samples Received* | |
| *No. of samples analysed* | : 1 | 26-Jan-2023 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 : DIETARY SUPPLEMENT

| *Laboratory sample ID* | *Client sample ID* | *Client sampling date / time* |
|---|---|---|
| FP2302477-006 | DI - CHLOROPHYTUM | 26-Jan-2023 |

## *Analytical Results*

Sub-Matrix: **DIETARY SUPPLEMENT**

| | | | *Laboratory sample ID* | **FP2302477-006** | | -------- | | -------- | |
|---|---|---|---|---|---|---|---|---|---|
| | | | *Client sampling date / time* | 26-Jan-2023 | | ---- | | ---- | |
| *Parameter* | *Method* | *LOR* | *Unit* | **Result** | **MU** | **Result** | **MU** | **Result** | **MU** |
| **Microbiological Parameters** | | | | | | | | | |
| **Total Viable Count** | B-TVC1 | 10 | CFU/g | **3.1E+02** | ---- | **----** | ---- | **----** | ---- |
| **Total Metals / Major Cations** | | | | | | | | | |
| **Lead** | B-METMSDGL | 0.010 | mg/kg | <0.010 | ---- | **----** | ---- | **----** | ---- |
| **Mercury** | B-HG-AMADT | 0.030 | mg/kg | <0.030 | ---- | **----** | ---- | **----** | ---- |
| **Cadmium** | B-METMSDGL | 0.0050 | mg/kg | <0.0050 | ---- | **----** | ---- | **----** | ---- |
| **Polycyclic Aromatics Hydrocarbons (PAHs)** | | | | | | | | | |
| **Benzo(a)pyrene** | B-PAHHMS01 | - | µg/kg | <0.87 | ---- | **----** | ---- | **----** | ---- |
| **Benz(a)anthracene** | B-PAHHMS01 | - | µg/kg | <0.78 | ---- | **----** | ---- | **----** | ---- |
| **Chrysene** | B-PAHHMS01 | - | µg/kg | <0.78 | ---- | **----** | ---- | **----** | ---- |
| **Benzo(b)fluoranthene** | B-PAHHMS01 | - | µg/kg | <0.78 | ---- | **----** | ---- | **----** | ---- |
| **Sum of PAH 4 - Lowerbound** | B-PAHHMS01 | - | µg/kg | **0** | ---- | **----** | ---- | **----** | ---- |
| **Sum of PAH 4 - Upperbound** | B-PAHHMS01 | - | µg/kg | **3.2** | ---- | **----** | ---- | **----** | ---- |

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* |
|---|---|
| *Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00* | |
| B-HG-AMADT | CZ_SOP_D06_04_024 (ČSN 46 5735, ČSN 75 7440, ČL, PhEur, USP) Determination of Hg by atomic absorption spectrometry. Sample was homogenized and mineralized by acids and hydrogen peroxide prior to analysis. |
| B-METMSDGL | 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-TVC1 | CSN EN ISO 4833-1. Enumeration of microorganisms by cultivation. |
| *Location of test performance: V Raji 906 Pardubice - Zelene Predmesti Czech Republic 530 02* | |
| B-PAHHMS01 | 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 <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%. |

The symbol "*" for the method indicates a test outside the scope of accreditation of the laboratory or subcontractor. 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. If the lab used for matrix outside the scope of accreditation or non-standard sample matrix procedure specified in the accredited method and issues non-accredited results, this fact is stated on the title page of this protocol in the section "Notes". If the test report shows the results of subcontracting, the place of performance of the test is outside the laboratories of ALS Czech Republic, s.r.o.
The method for calculating of the summation parameters is available on request in the customer service.