



## CERTIFICATE OF ANALYSIS

**Work Order** : **FP1615383** **Issue Date** : 15-AUG-2016

**Client** : **BIOCOL PHARMA a.s.** **Laboratory** : ALS Czech Republic, s.r.o.  
**Contact** : **Contact** : F&P Client Service

**Address** : Tomkova 180/11 **Address** : Na Harfe 336/9 Prague 9 - Vysocany  
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**Project** : PENOXAL **Page** : 1 of 3  
**Order number** : ---- **Date Samples Received** : 02-AUG-2016  
**C-O-C number** : ---- **Quote number** : FP2016BIPHA-CZ0001  
**Site** : Hradec Králové **Date of test** : 02-AUG-2016 - 15-AUG-2016  
**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.

### Responsible for accuracy

Testing Laboratory Accredited by CAI  
according to CSN EN ISO/IEC 17025:2005

#### Signatories

Marek Jiricek

#### Position

Food & Pharmaceutical Manager



### Sample Information

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

**Date Samples Received**  
02-AUG-2016

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. Bracketted 'Laboratory sample ID' indicates that no analysis was performed on the sample.

Sub-Matrix : FOOD SUPPLEMENT

Laboratory sample ID	Client sample ID	Client sampling date / time
FP1615383-001	BIOCOL	20-JUL-2016 00:00



## Analytical Results

Sub-Matrix: FOOD SUPPLEMENT		Laboratory sample ID		FP1615383-001		----		----	
		Client sampling date / time		20-JUL-2016 00:00		----		----	
Parameter	Method	LOR	Unit	Result	MU	----	----	----	----
<b>Nutritional Panel</b>									
Ash Content	B-ASH-GR	0.060	g/100 g	5.86	±3.0 %	----	----	----	----
Available Carbohydrates	B-EN2-CC	0.30	g/100 g	23.4	±7.0 %	----	----	----	----
Dietary Fibre	B-DF-ENZ	0.300	g/100 g	20.1	±10.0 %	----	----	----	----
Dry matter @ 105°C	B-DRY-GR	0.10	g/100 g	93.3	±1.0 %	----	----	----	----
Fat content	B-FATT-NMR	0.10	g/100 g	1.19	±5.0 %	----	----	----	----
Proteins	B-PROT-DUM	0.300	g/100 g	42.7	±5.0 %	----	----	----	----
Salt Equivalent	B-METORDT2	0.0012	g/100 g	2.36	----	----	----	----	----
Energy (kJ/100g)	B-EN2-CC	50	kJ/100 g	1330	±7.0 %	----	----	----	----
Moisture @ 105°C	B-DRY-GR	0.10	g/100 g	6.68	±1.0 %	----	----	----	----
Energy (kcal/100g)	B-EN2-CC	12	kcal/100g	318	±7.0 %	----	----	----	----
Energy from Fat (kJ/100g)	B-EN2-CC	10	kJ/100 g	44	±7.0 %	----	----	----	----
Energy from Fat (kcal/100g)	B-EN2-CC	2	kcal/100g	10	±7.0 %	----	----	----	----
SAFA	B-FTAFID02	0.10	g/100 g	0.35	±30.0 %	----	----	----	----
MUFA	B-FTAFID02	0.10	g/100 g	0.59	±30.0 %	----	----	----	----
PUFA	B-FTAFID02	0.10	g/100 g	0.19	±30.0 %	----	----	----	----
TFA	B-FTAFID02	0.10	g/100 g	<0.10	----	----	----	----	----
Sum of Omega-3 FA	B-FTAFID02	0.10	g/100 g	<0.10	----	----	----	----	----
Sum of Omega-6 FFA	B-FTAFID02	0.10	g/100 g	0.15	±30.0 %	----	----	----	----
<b>Total Metals / Major Cations</b>									
Sodium	B-METORDT2	0.00050	g/100 g	0.946	±20.0 %	----	----	----	----
<b>Sugars / Sweeteners</b>									
Fructose	B-SUGLCR02	0.10	g/100 g	<0.10	----	----	----	----	----
Glucose	B-SUGLCR02	0.10	g/100 g	<0.10	----	----	----	----	----
Maltose	B-SUGLCR02	0.10	g/100 g	<0.10	----	----	----	----	----
Lactose	B-SUGLCR02	0.10	g/100 g	<0.10	----	----	----	----	----
Sucrose	B-SUGLCR02	0.10	g/100 g	3.95	±20.0 %	----	----	----	----
Sum of Sugars	B-SUGLCR02	0.10	g/100 g	3.95	±20.0 %	----	----	----	----

If the client does not specify the date and time of sample collection, the laboratory will specify the date on sample delivery in parentheses, instead. If the time of sample collection is specified as 0:00 it means that the client did specify the date but not the time. 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 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-ASH-GR	CZ_SOP_D06_04_458 - Gravimetric determination of ash
B-DF-ENZ	CZ_SOP_D06_04_465 (AOAC Metod 985.29) - Determination of dietary fibre by enzymatic method
B-DRY-GR	CZ_SOP_D06_04_452 - Determination of dry matter by gravimetry
B-EN2-CC	CZ_SOP_D06_04_479 - Determination of carbohydrate and energy values by calculation from measured values
*B-EVAL02	Evaluation of food results
B-FATT-NMR	CZ_SOP_D06_04_482 Determination of fat content by instrument MQC-23-35 by pulsed NMR
B-FTAFID01	CZ_SOP_D06_04_202 (CSN EN ISO 5509) Determination of fatty acids by gas chromatography method (relative occurrence of fatty acids in fat) with FID detection
B-FTAFID02	CZ_SOP_D06_04_202 (CSN EN ISO 5509) Determination of fatty acids by gas chromatography method with FID detection SAFA - saturated fatty acids, MUFA - monounsaturated fatty acids, PUFA - polyunsaturated fatty acids, TFA - trans fatty acids

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<i>Analytical Methods</i>	<i>Method Descriptions</i>
B-METORDT2	CZ_SOP_D06_02_001 (US EPA 200.7, ISO 11885, samples prepared as per CZSOP_D06_02_J02 chap. 10.17.1, 10.17.2, 10.17.4, 10.17.7, 10.17.8) 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-PROT-DUM	CZ_SOP_D06_04_475 - Determination of N-substances by Dumas method
B-SUGLCR02	CZ_SOP_D06_04_223 (CSN EN 12630) Determination of sugars by liquid chromatography method with RI detection

A `` symbol preceding any method indicates non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information.

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