

Expert Opinion

File No: **IU-O-863**
Date: **03/06/20**

Applicant: Fabrika proteina i ulja BIOPROTEIN d.o.o. Bulevar Nikole Tesle 30a 11080 Zemun Bulevar Nikole Tesle 30a 11080 Zemun

Documents ref.:

Data on sample Samples submitted 29/05/20

Sample and identification number:

IU-O-01776 Soft ice cream - chocolate;

Type of testing: Food safety

IU-O-01776 Sensor analysis, Physico chemical analysis (quality),
Microbiological safety upon request, Residue /contaminant analysis: heavy metals, pesticides, antibiotics and sulfonamides, RH

Date of receipt: 29/05/20

Date of start of lab. analysis: 29/05/20

Date of completion of lab. analysis: 03/06/20

On the basis of results of laboratory analysis and expert review it was determined that the above stated sample IU-O-01776 from the point of controlled parameters IS IN COMPLIANCE WITH the Product Specification, Regulation (EC) No 396/2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin (OJ L 70 16.03.2005. p1) and amendments (Consolidated version of Reg 396/2005), Commission regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs (OJ L 364/5) and Council Regulation (EC) No.733/2018 of July 2008 and 1048/2009 of 23.October 2009.

Residues of antibiotics were tested by recognized instrumental confirmation technic (LC-MS/MS) at LoD defined by appropriate EU legislation.

Head of laboratory

Milan Simić PhD, Hygiene Specialist



Report on laboratory analysis

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Date: **03/06/20**

Data received from applicant:

Applicant: **Fabrika proteina i ulja BIOPROTEIN d.o.o.**
Bear Costs: **Fabrika proteina i ulja BIOPROTEIN d.o.o. Bulevar Nikole Tesle 30a 11080 Zemun**
Documents reff.:
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Statements:

This Report refers only to the tested sample.

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Analysis results:

Sample: IU-O-01776 Soft ice cream - chocolate

Sample data: **

Sample: Biosoft chocolate - Complete mixture for the production of soft ice cream and milkshake, powder
Grocery group: Powdered mixture for the production of frozen desserts (ice cream) and milk shakes
Original packaging:
Sample quantity: 1500 g
Allergen information: contains milk products (Lactose)
Net quantity: 2 kg
Best used until: 28.05.2021
Series (LOT): 280520B2A8905
Storage and storage conditions: in a dry and cool place
Veterinary control number: RS 20441
Manufacturer: Bankom doo, Bulevar Nikole Tesle 30a, 11080 Zemun, Serbia; Products and full: Bioprotein doo, Nemanjina w / n, 11500 Obrenovac, Srbija
Other information relevant to the consumer: The product declaration is printed on the packaging in a foreign and Serbian language and the product specification is submitted
It is produced according to the manufacturer s specification!
Ingredients: sugar, hydrogenated vegetable fat, WHEY POWDER, MILK POWDER, maltodextrin, dextrose, modified starch, glucose syrup, emulsifiers: E472a, E471, MILK PROTEIN, thickeners: guar gum E410, cellophane, carbide, xanthan E415, tare rubber E417, cocoa powder.
Preparation: Gradually mix the mixture with water and sugar until the powder is completely dissolved. Leave to stand for 5-10 minutes and then stir again (briefly but vigorously), and pour into the soft ice cream machine or milk shake.
Ratio of mixture of water and sugar: mixture (kg) of water (I) sugar (g)
Ice cream 1 3-3.5 150
Milkshake 1 4.5-5 150-250
Sample properly submitted

Sensor analysis

The sample consists of the original packaging of a complete mixture for the production of soft ice cream and chocolate-flavored milkshake, commercially called "Biosoft chocolate".
The mixture is packed in an aluminum foil bag, the ends of which are closed on the principle of a thermovar.
The package is not damaged and after opening it was stated:
The mixture is in the form of a fine loose powder without lumps of uniform brown color.
Smell and taste: peculiar.
The product is used for the preparation of frozen desserts (ice cream) in soft appliances and "milkshake"
The product is completely dissolved in cold water and by whipping, a product of light brown color, characteristic smell and taste is obtained.
Method: SAM-03-001
Declaration of Conformity:
Based on the test results, the sample is in COMPLIANT with the manufacturer s specification

Physico chemical analysis

Parameter:	Result:	(unit)	Ref. value:	Method:
Lactose	16,47 ±0,58	%	min 15	HEM-03-064
Fat	8,72 ±0,13	%	min 8	Sl. List SRFJ br.41/85 metoda 2
Ash	3,73 ±0,19	%	max 6	SRPS ISO 936:1998
Protein	10,48 ±0,94	%	min 6	SRPS ISO 1871:2013
Free water	1,43 ±0,07	%	max 4	Sl. List SRFJ br.41/85 metoda 1

Declaration of Conformity:
On the basis of the analytical results the sample IS IN COMPLIANCE with Product specification.

Residue / contaminant analysis

Parameter:	Result:	(unit)	Ref. value/ML:	Method:
<i>Organochlorine pesticides</i>				
-Aldrin and Dieldrin (combined expressed as dieldrin)	< 0,01	mg/kg		GC-MSD, IHM-03-Pest 01
-Chlordane (sum of cis- and trans-chlordane)	< 0,02	mg/kg		GC-MSD, IHM-03-Pest 01
-DDT (sum of p,p'-DDT, o,p'-DDT, p,p'-DDE, p,p'-DDD)	< 0,03	mg/kg		GC-MSD, IHM-03-Pest 01
-Endosulfan (alpha-,beta- isomers and endosulfan-sulphate)	< 0,03	mg/kg		GC-MSD, IHM-03-Pest 01
-Endrin	< 0,01	mg/kg		GC-MSD, IHM-03-Pest 01
-Endrin keton	< 0,01	mg/kg		GC-MSD, IHM-03-Pest 01
-Heptachlor (sum of Heptachlor and Heptachlor epoxide)	< 0,01	mg/kg		GC-MSD, IHM-03-Pest 01
-Hexachlorobenzene (HCB)	< 0,01	mg/kg		GC-MSD, IHM-03-Pest 01
-Hexachlorocyclohexane (HCH), alpha-isomer	< 0,01	mg/kg		GC-MSD, IHM-03-Pest 01

The laboratory name "Centar za ispitivanje namirnica d.o.o." is prohibited, in the text of the declaration and for advertising purposes.

*) Non accredited activities. **) The data provided by customer.

Tag: **CIN-LAB-7.8/O-1** Edition 1 from January 3 2020.

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-Hexachlorocyclohexane (HCH), beta-isomer	< 0,01	mg/kg	GC-MSD, IHM-03-Pest 01
-Lindane (gamma-isomer of hexachlorocyclohexane (HCH))	< 0,01	mg/kg	GC-MSD, IHM-03-Pest 01
-Methoxychlor	< 0,01	mg/kg	GC-MSD, IHM-03-Pest 01
<i>Metals and metalloids</i>			
Lead (Pb)	< 0,020	mg/kg	GFAAS, IHM-03-AAS 01
<i>Antibiotics</i>			
Difloksacin	< 10	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Doxycycline	< 10	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Enrofloksacin	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Chlortetracycline	< 10	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Oxytetracycline	< 10	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sarafloksacin	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Penicillin G	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Spiramicin	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Tetracycline	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Tylosin	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Ampicillin	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Danofloksacin	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
<i>Sulfonamides</i>			
Sulfamethizole	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sulfahloropiridazin	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sulfamethoxyipyridazine	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sulfadiazine	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sulfamethoxazole	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sulfathiazole	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sulfapyridine	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sulfadimethoxine	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07
Sulfamerazine	< 50	µg/kg	LC-MS/MS, IHM-03-HPLC 07

Declaration of Conformity:

On the basis of the analytical results the sample IS IN COMPLIANCE with the Rulebook on the maximum levels of residues of plant protection products in food and feed and on food and feed for which maximum levels of plant protection products are set (Sl. glasnik RS no. 22/18, 90/18, 76/19 and 81/19), the Rulebook on maximum levels of certain contaminants in food (Sl. glasnik RS no. 81/19) and the Rulebook on quantities of pesticides, metals, metalloids and other poisonous substances, chemotherapeutics, anabolic and other substances which can be found in foodstuffs (Sl. list SRJ no. 5/92, 11/92 and 32/02).

Microbiological analysis

Parameter:	1	2	3	4	5	MAV	Result:	Method:
Enterobacteriaceae (incubation temperature 37°C) cfu/g	<10	<10	<10	<10	<10	c=2, m=10, M=100	Satisfactory	SRPS EN ISO 21528-2:2017
Salmonella spp. 25g	0	0	0	0	0	c=0, m=0, M=0	Satisfactory	SRPS EN ISO 6579-1:2017
Coagulase-positive staphylococci (incubation temperature 37°C) cfu/g	<1	<1	<1	<1	<1	c=0, m=0, M=0	Satisfactory	SRPS EN ISO 6888-1:2009

MDV - internal standard

According to analytical results, the sample is IN COMPLIANCE with internal standard


Other analysis

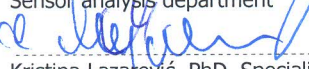
IU-O-01776 Soft ice cream - chocolate

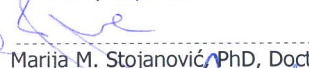
Parameter:	Appendix:	Institution:
Radioactivity	Examination report No.2020/686; submitted 08/06/20	Veterinarski fakultet, Beograd

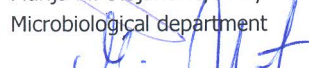
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***** End of the Report *****