CENTAR ZA ISPITIVANJE NAMIRNICA d.o.o. Center for food analysis
Belgrade, Zmaja od Noćaja 11, CIN 07045905, FIN 100066891
phone: laboratory 2625-077, accountings 2626-241, director 2185-567
fax 2625-720, e-mail kontakt@cin.co.rs, web www.cin.co.rs
265-1630310003954-87 Raiffeisen Bank AD Beograd, 160-315578-62 Banca Intesa AD Beograd

ATC 01-016 АКРЕДИТОВАНА ЛАБОРАТОРИЈА ЗА ИСПИТИВАЊЕ SRPS ISO/IEC 17025:2006

Expert Opinion

File No: **IU-B-369**
Date: 17/09/18

Applicant: Fabrika proteina i ulja BIOPROTEIN d.o.o. Bulevar Nikole Tesle 30a 11080 Zemun
Documents reff.:
Type of testing: Food safety (quality; pesticides, heavy metals, mycotoxins, radioactivity; GMO; microbiological safety)
Sample and identification number:
IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder);
Data on sample Samples submitted 10/09/18
Date of receipt: 10/09/18 Date of completion of lab. analysis: 17/09/18

On the basis of results of laboratory analysis and expert review it was determined that the above stated sample IU-B-00978 from the standpoint 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 foodstaffs (OJ L 364/5), Council Regulation (EC) No 1048/2009 of 23 October 2009, Regulation (EC) No 1829/2003 on genetically modified food and feed (OJ L 268/1) and Commission regulation (EU) No 619/2011 laying down the methods of sampling and analysis for the official control of feed as regards presence of genetically modified material for which an authorisation procedure is pending or the authorisation of which has expired (OJ L 166/9).

The results of microbiological tested parameters are corresponding to the manufacturer specification.

Head of laboratory
Milan Simić PhD, Hygiene Specialist

CENTAR ZA ISPITIVANJE NAMIRNICA d.o.o. Center for food analysis
Belgrade, Zmaja od Noćaja 11, CIN 07045905, FIN 100066891
phone: laboratory 2625-077, accountings 2626-241, director 2185-567
fax 2625-720, e-mail kontakt@cin.co.rs, web www.cin.co.rs
265-1630310003954-87 Raiffeisen Bank AD Beograd, 160-315578-62 Banca Intesa AD Beograd

ATC 01-016 АКРЕДИТОВАНА ЛАБОРАТОРИЈА ЗА ИСПИТИВАЊЕ SRPS ISO/IEC 17025:2006

Report on laboratory analysis

File No: **IU-B-369**
Date: 17/09/18

Applicant: Fabrika proteina i ulja BIOPROTEIN d.o.o. Bulevar Nikole Tesle 30a 11080 Zemun
Documents reff.:
Type of testing: Food safety (quality; pesticides, heavy metals, mycotoxins, radioactivity; GMO; microbiological safety)
Sample and identification number:
IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder);
Data on sample Samples submitted 10/09/18
Date of receipt: 10/09/18 Date of completion of lab. analysis: 17/09/18

Analysis results:

Identification

IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder)
Sample: Biopro 20 (low fat moderately toasted soft soybean powder)
Food group: Protein products
Samples: 1100 g
Net weight: 25 kg
Best used until: 09/09/2019.
Series (LOT): 242F18
Producer: "Bioprotein" d.o.o. Bulevar Nikole Tesle 30a, Zemun, Serbia
Country of Origin: Serbia

Sensor analysis

IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder)
The subject sample is a low fat moderately toasted soft soybean powder under the trade name " Biopro-20 ", obtained by technological procedure from the grains of genetically unmodified soybeans, by removal oil and non-protein materials. The product is a powdery texture, a golden-yellow colour, a distinctive odor and a pleasant, slightly sweet taste.

Method: SBM-03-001

Physico chemical analysis

IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder)

Parameter:	Result:	(unit)	Method:
Ash (calculated in dry matter)	6,42	%	Sl. list SFRJ 41:1985, met. 3
Cellulose (as dry basis)	2,26	%	Sl. list SFRJ 41:1985, met. 6
proteins (calculated in dry matter)	45,99	%	Sl. list SFRJ 41:1985, met. 4
Moisture	5,91	%	Sl. list SFRJ 41:1985, met. 1
Fat (calculated on the dry matter)	6,68	%	Sl. list SFRJ 41:1985, met. 2

Analysis of harmful matters

IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder)

Parameter:	Result:	(unit)	Method:
Organophosphorus pesticides			
-Chlorpyrifos	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Chlorpyrifos-Methyl	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Diazinon	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Dichlorvos	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Dimethoate	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Disulfoton	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Etrimfos	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Famfur	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Fenitrothion	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Malathion	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Methacrifos	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012
-Parathion	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2012

CENTAR ZA ISPITIVANJE NAMIRNICA d.o.o. Center for food analysis
Belgrade, Zmaja od Noćaja 11, CIN 07045905, FIN 100066891
phone: laboratory 2625-077, accountings 2626-241, director 2185-567
fax 2625-720, e-mail kontakt@cin.co.rs, web www.cin.co.rs
265-1630310003954-87 Raiffeisen Bank AD Beograd, 160-315578-62 Banca Intesa AD Beograd

ATC 01-016 АКРЕДИТОВАНА ЛАБОРАТОРИЈА ЗА ИСПИТИВАЊЕ SRPS ISO/IEC 17025:2006

No: **IU-B-369**
Date: 17/09/18

-Parathion-Methyl	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Phorate	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Phosphamidon	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Sulfotep	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Thionazin	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Pirimiphos-Methyl	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
Carbamates		
-Carbaryl	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Carbofuran	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Methiocarb	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Methomyl	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Oxamyl	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Propoxur	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
Triazines		
-Cyanazine	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Desethylatrazine	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Desisopropylatrazine	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Prometon	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Propazine	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Simazine	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
Pyrethroids		
-Bifenthrin	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Fenvalerate (sum of isomers,including esfenvalerate)	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Permetrin (sum of isomers)	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-S-Bioallethrin	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Chlordane (sum of cis- and trans-chlordane)	< 0,02 mg/kg	GC-MSD, SRPS EN 15662:2012
-Hexachlorocyclohexane (HCH), alpha-isomer	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Hexachlorocyclohexane (HCH), beta-isomer	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
Organochlorine pesticides		
-Aldrin and dieldrin (Aldrin and dieldrin combined expressed as	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-DDT (sum of p,p'-DDT, o,p'-DDT, p,p'-DDE, p,p'-DDD)	< 0,03 mg/kg	GC-MSD, SRPS EN 15662:2012
-Endosulfan (alpha-,beta- isomers and endosulfan-sulphate)	< 0,03 mg/kg	GC-MSD, SRPS EN 15662:2012
-Endrin	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Heptachlor (sum of Heptachlor and Heptachlor epoxide)	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Hexachlorobenzene (HCB)	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Lindane (gamma-isomer of hexachlorocyclohexane (HCH))	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
-Methoxychlor	< 0,01 mg/kg	GC-MSD, SRPS EN 15662:2012
Metals and metalloids		
Lead (Pb)	< 0,20 mg/kg	GFAAS, IHM-03-AAS 01
Cadmium (Cd)	< 0,05 mg/kg	GFAAS, IHM-03-AAS 01
Mercury (Hg)	< 0,05 mg/kg	CVAAS, IHM-03-AAS 01
Arsenic (As)	< 0,10 mg/kg	HGAAS, IHM-03-AAS 01
Mycotoxins		
Aflatoxin B1 and total (B1+B2+G1+G2)	< 4,0 µg/kg	IHM-03-ELISA 01a
Aflatoxin B1	< 2,0 µg/kg	IHM-03-ELISA 01b
Zearalenone	< 50 µg/kg	IHM-03-ELISA 09
Ochratoxin A	< 2,0 µg/kg	IHM-03-ELISA 10
Deoxynivalenol	< 200 µg/kg	IHM-03-ELISA 08

Genetic analysis

IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder)

Parameter:	Result: (unit)	Method:
Determination of the presence of GMOs		
CaMV 35S promoter	n.d. (< 0,1%)	SRPS EN ISO 21571:2009 i A1:2013; SRPS EN ISO 21569:2008 i A1:2014
A.tum NOS terminator	n.d. (< 0,1%)	SRPS EN ISO 21571:2009 i A1:2013; SRPS EN ISO 21569:2008 i A1:2014
FMV 34S promoter	n.d. (< 0,1%)	SRPS EN ISO 21571:2009 i A1:2013; SRPS EN ISO 21569:2008 i A1:2014

CENTAR ZA ISPITIVANJE NAMIRNICA d.o.o. Center for food analysis
Belgrade, Zmaja od Noćaja 11, CIN 07045905, FIN 100066891
phone: laboratory 2625-077, accountings 2626-241, director 2185-567
fax 2625-720, e-mail kontakt@cin.co.rs, web www.cin.co.rs
265-1630310003954-87 Raiffeisen Bank AD Beograd, 160-315578-62 Banca Intesa AD Beograd

ATC 01-016 АКРЕДИТОВАНА ЛАБОРАТОРИЈА ЗА ИСПИТИВАЊЕ SRPS ISO/IEC 17025:2006

No: **IU-B-369**
Date: 17/09/18

Microbiological analysis

IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder)

Parameter:		Result:		Method:
Bacillus cereus (incubation temp.30°C) cfu/g			Satisfactory	SRPS EN ISO 7932:2009
n=	5	I	<100	
c=	1	II	<100	
m=	1000	III	<100	
M=	10000	IV	<100	
		V	<100	
Enterobacteriaceae (incubation temperature 37°C) cfu/g			Satisfactory	SRPS ISO 21528-2:2009
n=	5	I	<10	
c=	2	II	<10	
m=	10	III	<10	
M=	100	IV	<10	
		V	<10	
Clostidium perfrigens cfu/g			Satisfactory	SRPS EN ISO 7937:2010
n=	5	I	<10	
c=	1	II	<10	
m=	100	III	<10	
M=	1000	IV	<10	
		V	<10	
Listeria monocytogenes 25g			Satisfactory	SRPS EN ISO 11290-1:2010
n=	5	I	0	
c=	0	II	0	
m=		III	0	
M=	0	IV	0	
		V	0	
Salmonella spp. 25g			Satisfactory	SRPS EN ISO 6579:2008
n=	5	I	0	
c=	0	II	0	
m=		III	0	
M=	0	IV	0	
		V	0	
Aerobic mesophilic bacteria cfu/g			Satisfactory	SRPS EN ISO 4833-1:2014
n=	5	I	700	
c=	2	II	500	
m=	10000	III	400	
M=	100000	IV	600	
		V	500	
Mould and yeast (aw less than or equal to 0.95) cfu/g			Satisfactory	SRPS ISO 21527-1:2011
n=	5	I	<100	
c=	2	II	<100	
m=	100	III	<100	
M=	1000	IV	<100	
		V	<100	

Other analysis

IU-B-00978 Biopro 20 (low fat moderately toasted soft soybean powder)

Parameter:	Apendix:	Institution:
Radioactivity	Examination report no. 2018/1498; submitted 15/09/18	Veterinarski fakultet, Beograd

CENTAR ZA ISPITIVANJE NAMIRNICA d.o.o. Center for food analysis
Belgrade, Zmaja od Noćaja 11, CIN 07045905, FIN 100066891
phone: laboratory 2625-077, accountings 2626-241, director 2185-567
fax 2625-720, e-mail kontakt@cin.co.rs, web www.cin.co.rs
265-1630310003954-87 Raiffeisen Bank AD Beograd, 160-315578-62 Banca Intesa AD Beograd

ATC 01-016 АКРЕДИТОВАНА ЛАБОРАТОРИЈА ЗА ИСПИТИВАЊЕ SRPS ISO/IEC 17025:2006

No: **IU-B-369**
Date: 17/09/18

Head/Heads of Departments

Vladimir Atić, MSc, Graduate Engeneer of Tehnology

Margarita Dodevska, PhD, Specialist in Sanitary Chemistry

Marija M. Stojanović, PhD, Doctor of veterinary medicine

Smiljana Raičević, PhD, Graduate Chemist

Head of laboratory

Milan Simić PhD, Hygiene Specialist

Faculty of Veterinary medicine
Universitiy of Belgrade
Department of Radiology and
Radiation hygiene
Bulevar Oslobođenja 18
Belgrade
Serbia

FAKULTET VETERINARSKE MEDICINE
U BEOGRADU
KATEDRA ZA RADIOLOGIJU
I RADIACIONU HIGIJENU
BR. 1498
13.09 2018 GOD
BEOGRAD

ATC
01-122
АКРЕДИТОВАНА
ЛАБОРАТОРИЈА
ЗА ИСПИТИВАЊЕ
SRPS ISO/IEC 17025:2006

Client
» Center for food analysis«
Zmaja od Noćaja 11
Belgrade
Serbia
Tel. 011-2625-077

Department of Radiology and
Radiation hygiene
Tel. 011-2685-291
Fax 011-2685-291
E-mail: radijacija@vet.bg.ac.rs

SUBJECT: EXAMINATION REPORT **NO. 2018/1498**

SAMPLE ACCEPTANCE DATE: 12.09.2018.
DATE OF ISSUING REPORT: 13.09.2018.

According to your requirement No. IU – B – 369 dated 10/09/2018, the examination regarding the presence of radionuclides is done within the delivered sample and the following report has been made:

R E S U L T

Sample:
1.IU – B – 00978 Biopro 20 (Low fat moderately toasted soft soybean powder)
Country of Origin: /
Evidential number: 18/1498

Radionuclide content in the sample (Bq /kg)	
^{137}Cs	**^{40}K**
< 0,7	792 ± 31

The results of measured radioactivity in the delivered sample show no radionuclide presence beyond the regulations (Council Regulation (EC) No:1048/2009 of 23.October 2009.)

The examination has been done by the method of low-level gamma spectrometry on HPGe detector based on IAEA Technical Report 295.

Deliver to:
1.Client
2.Archive

VETERINARSKE FAKULTET U BEOGRADU KATEDRA ZA RADIOLOGIJU I RADIACIONU HIGIJENU

Examiner:
Dr sci. vet. med. Branislava Mitrović
Branislava Mitrović

Head of Department:
Redovni profesor
Dr sci. vet. med. Nikola Krstić

1. It is forbidden to distrubuted analysis results without approval from Faculty of veterinary medicine, Department for Radiology and radiation Hygiene
2. Results are valid only for examined sample.