



APPENDIX TO THE CERTIFICATE OF ANALYSIS
R21-6354 for sample R21034957

Directive for analysis: 46 from 29.03.2021

Sample number	R21034957
Sample name	CRUDE SOYBEAN LECITHIN
Based on the results of the parameters analyzed sample is in compliance with art.14, appendix 6, for additive E322 Regulation on food additives (Official Gazette of RS 53/2018)	
STATEMENT OF CONFORMITY PHYSICAL-CHEMICAL CONTAMINANTS/RESIDUES TESTING:	
Based on the results of the analyzed parameters sample is in compliance with Regulation (EC) No 396/2005 of the European Parliament and of the Council on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC and Annexes I, II, III, IV and VII.	
STATEMENT OF CONFORMITY PHYSICAL-CHEMICAL TESTING:	
Based on the results of the parameters analyzed sample is in compliance with art.14, Appendix 6, for additive (E 322) Regulation on food additives (Official Gazette of RS 53/2018) (Note: conformity cannot be confirmed, with a confidence level of 95% for extended measurement uncertainty, for substances insoluble in acetone).	

Aleksandra Bauer MS
General Manager



Milica Rankov MS
C.E.O. of Samples Booking
and Analysis Supervision Dpt.

By certificate of analysis number R21-6354 sample was analyzed R21034957.

Sent to

1. Applicant
2. Archive

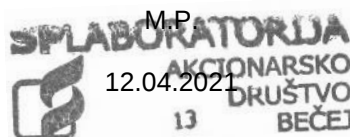
Statement:

1. The results of the test relate only to the submitted sample, except when SP LABORATORIJA performs sampling.
2. This report must not be multiplied, except on the whole, with approval of SP LABORATORIJA.
3. SP LABORATORIJA is responsible for all data presented in the Test Report except for those obtained from the test users.
4. SP LABORATORIJA gives up the responsibility for the validity of the results for whose statements the data obtained from the users have been used.

CERTIFICATE OF ANALYSIS R21-6354 / R21034957
Sample number: R21034957

Applicant	PRIVREDNO DRUŠTVO ZA EKONOMSKE, FINANSIJSKE, INFORMATIČKE I TRGOVINSKO-PROIZVODNE USLUGE BANKOM DRUŠTVO SA OGRANIČENOM ODGOVORNOŠĆU BEOGRAD, BULEVAR NIKOLE TESLE 30A, Beograd-Zemun, Bulevar Nikole Tesle 30/A
Directive for analysis	46 from 29.03.2021
Sample name	CRUDE SOYBEAN LECITHIN
Asked analysis	Analysis by client's request
Sampling data	Sample was delivered 31.03.2021
Sample receiving date	31.03.2021
Start testing date	31.03.2021
End testing date	12.04.2021
Report number	R21-6354

Aleksandra Bauer MS
General Manager



Milica Rankov MS
C.E.O. of Samples Booking
and Analysis Supervision Dpt.

By certificate of analysis number R21-6354 sample was analyzed R21034957.

Sent to

1. Applicant
2. Archive

Statement:

1. The results of the test relate only to the submitted sample, except when SP LABORATORIJA performs sampling.
2. This report must not be multiplied, except on the whole, with approval of SP LABORATORIJA.
3. SP LABORATORIJA is responsible for all data presented in the Test Report except for those obtained from the test users.
4. SP LABORATORIJA gives up the responsibility for the validity of the results for whose statements the data obtained from the users have been used.

R21034957: CRUDE SOYBEAN LECITHIN

Identification:

Data obtained from user:

Lot: 240321E5A12495

Net weight of delivered sample: 2 x 120 g

-General look:

Sample was delivered properly packed, in bulk. With a sample was delivered documentation with data about the sample.

Based on delivered documentation sample is soy lecithin. Sample is viscous consistency, dark-brown, characteristic odor. It does not contain visible impurities.

Additive: E322 is listed in Annex 2, Part B, in the list of approved additives Regulation on food additives (Official Gazette of RS 53/2018).

Bojana Preradov
Expert associate in the Sensory Research
Department

Results of physical-chemical contaminants/residues testing

Analysis	Result	Expanded measurement uncertainty ⁹⁾	Methods	
Pirimiphos-methyl [mg/kg]	0,03	± 0,015	SRPS EN 15662	GC/MS/MS
Residue of pesticides (shown in the table 1) [mg/kg]	< 0,05 ²⁾	± 50%	SRPS EN 12396-2	GC/ECD/HSS
Residue of pesticides (shown in the table 2) [mg/kg]	< 0,003 ²⁾	± 50%	SRPS EN 15662	GC/MS/MS
Residue of pesticides (shown in the table 3) [mg/kg]	< 0,005 ²⁾	± 50%	SRPS EN 15662	GC/MS/MS
Residue of pesticides (shown in the table 4) [mg/kg]	< 0,01 ²⁾	± 50%	SRPS EN 15662	GC/MS/MS
Residue of pesticides (shown in the table 5) [mg/kg]	< 0,01 ²⁾	± 50%	SRPS EN 15662	LC/MS/MS

²⁾Limit of quantification (LOQ); ⁹⁾Extended measurement uncertainty is expressed as a combined standard measurement uncertainty increased by the coverage factor k = 2 for a confidence level of approximately 95%
Determination of pesticide residues by SRPS EN 15662; SRPS EN 12396-2 is within the flexible scope of accreditation.

Note

Maximum permitted value by Regulation (EC) No 396/2005 of the European Parliament and of the Council on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC and Annexes I, II, III, IV and VII, from soybean is:

- Pirimiphos-methyl: 0,5mg/kg

Source of reference values: Regulation (EC) No 396/2005 of the European Parliament and of the Council on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC and Annexes I, II, III, IV and VII.

Results of physical-chemical testing

Analysis	Result	Expanded measurement uncertainty ⁹⁾	Reference data	Methods	
Weight loss by drying (105°C) [%]	0,23	± 0,020	max 2	IS 5055:1996	Drying
Substances insoluble in acetone [%]	60	± 1,3	min 60	AOCS Ja 4-46:2017	Dissolving, Gravimetry
Substances insoluble in toluene [%]	0,03	± 0,005	max 0,3	ISO 28198:2009	Dissolving, Gravimetry
Acidity value [mg KOH/g]	22,37	± 0,783	max 35	AOCS Ja 6-55:2017	Volumetry
Peroxid number [meq/kg]	0		max 10	AOCS Ja 8-87:2017	Volumetry

⁹⁾Extended measurement uncertainty is expressed as a combined standard measurement uncertainty increased by the coverage factor k = 2 for a confidence level of approximately 95%

Note

Source of reference values: art.14, Appendix 6, for additive (E 322) Regulation on food additives (Official Gazette of RS 53/2018)

Table 1 - List of analyzed pesticide residues (LFO 001) in the delivered sample with the determined concentrations <LOQ (limit of quantification)
Dithiocarbamates (expressed as CS ₂ , including Ziram, Thiram, Maneb, Mancozeb, Propineb, Metiram)

Table 2 - List of analyzed pesticide residues (LFO 001) in the delivered sample with the determined concentrations <LOQ (limit of quantification)	
Cadusafos	Fensulfothion

Table 3 - List of analyzed pesticide residues (LFO 001) in the delivered sample with the determined concentrations <LOQ (limit of quantification)
Tetrahydrophthalimide (THPI)

Table 4 - List of analyzed pesticide residues (LFO 001) in the delivered sample with the determined concentrations <LOQ (limit of quantification)					
2,4-DDT	4,4' - DDD	4,4' - DDE	4,4' - DDT	Acetochlor	Acibenzolar-S-methyl
Aclonifen	Acrinathrin	Alachlor	Aldrin	Alpha-BHC	Aramite
Atrazin	Azinphos-ethyl	Azinphos-methyl	Beflubutamid	Benalaxyl	Benfluralin
Benthiavalicarb-isopropyl	Beta-BHC	Bifenox	Bifenthrin	Binapacryl	Biphenyl
Bitertanol	Boscalid (Nicofen)	Bromophos-ethyl	Bromopropylate	Bromuconazole I	Bromuconazole II
Bupirimate	Buprofezin	Butralin	Captafol	Captan	Carboxin
Carfentrazone-ethyl	Chlorbenside	Chlordan-cis	Chlordan-trans	Chlorfenapyr	Chlorfenson
Chlorfenvinphos	Chlorobenzilate	Chlorothalonil	Chlorpropham	Chlorpyrifos-ethyl	Chlorpyrifos-methyl
Chlorthal-dimethyl	Chlozolinate	Cinidon-ethyl	Clomazone	Cyflufenamid	Cyfluthrin I
Cyfluthrin II	Cyfluthrin III	Cyfluthrin IV	Cyhalofop-butyl	Cypermethrin I	Cypermethrin II
Cypermethrin III	Cypermethrin IV	Cyproconazole	Cyprodinil	Delta-BHC	Deltamethrin
Diallate I	Diallate II	Diazinon	Dichlobenil	Dichlorvos	Diclofop methyl
Dicloran	Dieldrin	Difenoconazol	Diflufenican	Dimethachlor	Dimethipin
Dimethomorph (E)	Dimethomorph (Z)	Dimoxystrobin	Diniconazole	Diphenylamine	Disulfoton
Disulfoton sulfone	Endosulfan I (alpha)	Endosulfan II (beta)	Endosulfan sulfate	Endrin	Endrin aldehyde
Endrin ketone	Epoxiconazole	Esfenvalerate	Ethion	Ethofenprox	Ethoprophos
Ethoxyquin	Etoxazole	Etridiazole	Famoxadone	Fenamidone	Fenamiphos
Fenarimol	Fenazaquin	Fenbuconazole	Fenchlorphos	Fenitrothion	Fenoxaprop-p-ethyl
Fenpropathrin	Fenpropidin	Fenpropimorph	Fenthion	Fenthion sulfoxide	Fenvalerate
Fipronil	Fluazifop-p-butyl	Flucythrinate I	Flucythrinate II	Flufenacet	Flumioxazin
Flurochloridone	Fluquinconazole	Fluroxypyr 1-methylheptyl ester	Flurprimidol	Flusilazole	Flutolanil
Flutriafol	Folpet	Heptachlor	Heptachlor epoxide-cis (exo)	Hexachlorobenzene (HCB)	Hexaconazole
Imazalil	Ipconazole	Iprodione	Isoxaflutole	Kresoxim-methyl	Lactofen
Lambda-Cyhalothrin	Lindan (Gama-BHC)	Malaoxon	Malathion	MCPA butoxyethyl ester	MCPA methyl ester
MCPB methyl ester	Mecarbam	Mepanipyrim	Meprothion	Metalaxyl	Metamitron
Metconazole	Methacryfos	Methamidophos	Methidathion	Methoprene	Methoxychlor
Metolachlor	Metrafenone	Metribuzin	Mevinphos (Phosdrin)	Monocrotophos	Myclobutanil
Napropamide	Nitrofen	Orthophenylphenol (2-Phenylphenol)	Oxadiazon	Oxadixyl	Oxyfluorfen
Paclobutrazol	Parathion-ethyl	Parathion-methyl	Penconazole	Pendimethalin	Permethrin-cis

Table 4 - List of analyzed pesticide residues (LFO 001) in the delivered sample with the determined concentrations <LOQ (limit of quantification)

Permethrin-trans	Phenotrin	Phorat	Phosalone	Phosphamidon	Picolinafen
Picoxystrobin	Prochloraz	Procymidone	Profenofos	Propanil	Propargite
Propham	Propiconazole I	Propiconazole II	Propisochlor	Propyzamide	Proquinazid
Pyraflufen-ethyl	Pyrazophos	Pyrethrins (Pyrethrin I i Pyrethrin II)	Pyridaben	Pyridalyl	Pyriminobac-methyl
Pyrimethanil	Pyriproxyfen	Quinalphos	Quinoxifen	Quintozene	Resmethrin I
Resmethrin II	Simazin	Spirodiclofen	Spiromesifen	Spiroxamine I	Spiroxamine II
Tau-Fluvalinate	Tebuconazole	Tebufenpyrad	Tecnazene	Tefluthrin	TEPP
Terbufos	Terbutylazin	Tetraconazole	Tetradifon	Tolclofos-methyl	Triadimefon
Triadimenol	Triallate	Triazophos	Trifloxystrobin	Triflumizole	Trifluralin
Triticonazole	Vinclozolin				

Table 5 - List of analyzed pesticide residues (LFO 001) in the delivered sample with the determined concentrations <LOQ (limit of quantification)

1-Naphthylacetamide	3-Hydroxycarbofuran	Abamectin	Acephate	Acetamidrid	Aldicarb
Aldicarb-sulfone	Aldicarb-sulfoxide	Amidosulfuron	Amitraz	Azoxystrobin	Barban
Benfuracarb	Benomyl	Bentazone	Butylate	Carbaryl	Carbendazim
Carbetamide	Carbofuran	Carbosulfan	Chlorantraniliprole	Chlorotoluron	Chloroxuron
Clofentezine	Clothianidin	Cyazofamid	Cycloate	Cycloxydim	Cymoxanil
Cyromazine	Demeton-S-methylsulphon	Desmedipham	Diethofencarb	Diflubenzuron	Dimethenamid
Dimethoate	Dinoseb	Dioxathion	Diuron	DNOC	Dodine
EPTC	Ethirimol	Ethofumesate	Fenhexamid	Fenoxycarb	Fenpyroximate
Flazasulfuron	Flonicamid	Florasulam	Fluazinam	Fludioxonil	Flufenoxuron
Fluometuron	Fluopicolide	Fluopyram	Fluoxastrobin	Flurtamone	Fomesafen
Formetanat	Fosthiazate	Fuberidazole	Furathiocarb	Imidacloprid	Indoxacarb
Iprovalicarb	Isoproturon	Isoxaben	Lenacil	Linuron	Lufenuron
Mandipropamid	Metaflumizone	Metazachlor	Methabenzthiazuron	Methiocarb	Methiocarb-sulfone
Methiocarb-sulfoxide	Methomyl	Methoxyfenozide	Metosulam	Metsulfuron-methyl	Monolinuron
Monuron	Novaluron	Omethoate	Oryzalin	Oxamyl	Oxycarboxin
Oxydemeton-methyl (Demeton-S-methyl sulfoxide)	Phenmedipham	Phosmet	Phoxim	Pirimicarb	Propachlor
Propamocarb	Propoxur	Prosulfocarb	Prosulfuron	Pymetrozin	Pyraclostrobin
Pyridate	Rotenone	Spinetoram	Spinosad (Spynosyn A i Spynosyn D)	Spirotetramat	Spirotetramat cis enol
Spirotetramat enol glucoside	Spirotetramat keto hydroxy	Spirotetramat monohydroxy	Sulcotrione	Sulfosulfuron	Tebufenozide
Teflubenzuron	Tepraloxym	Thiabendazole	Thiacloprid	Thiametoxam	Thifensulfuron-methyl
Thiodicarb	Thiophanat-methyl	Tolyfluand	Triasulfuron	Tribenuron-methyl	Trichlorfon
Tricyclazole	Tridemorph	Triflumuron	Zoxamide		

Biljana Marošanić MS
 Spec. in Tox.Chemistry
 C.E.O. of Instrumental Analysis Dpt.

Predrag Vulićević MS
 Specialist in Sanitary Chemistry

dipl. Ing. Gordana Nović
 C.E.O. of Genetical
 and Physical-Chemical Analysis Dpt.