



TEST REPORT

Client	BILLA Bulgaria
Client's address	BULGARIA
Sample description	Cucumbers
Sampling	As stated by client: CLIENT
Date of sample receipt	11/04/2019
Date of Import	11/04/2019
Sample code	2019-20318
Type of analysis	Determination of Pesticide Residues

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Results

Sample Code **2019-20318**
Period of Analysis **11/04/2019 - 12/04/2019**
Client's Declaration **00BBU19041001**
Sample condition upon receipt **Acceptable**

Calculations based on: EU MRLs & EFSA ARfDs

Active Ingredient	Result (mg/kg)	MRL (mg/kg)	ARfD (mg/kg)	VF	IESTI (mg/kg)	% Utilization MRL	% Utilization ARfD	EU MRL Source
Fluopicolide	0,010	0,5	0,18	5	0,00066	2,00	0,37	Reg. (EU) 2018/832
Sum :						2,00	0,37	

Number of findings : 1

Consumption rate: 280,55 gr. Body weight: 21,400 kg

Calculation Model : EFSA PRIMo Vers. 3.0

1. The rest active ingredients are not determined at the reporting limit of the methods.
2. Method uncertainty (95%): ±50%
3. Information of EU MRLs and the rest data at:
<http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/public/?event=homepage&language=EN>
4. Number of findings: Number of determined active ingredients without the metabolites to be included in the counting
5. AGROLAB S.A. does not accept any responsibility for the aforementioned MRLs, ARfDs and the rest calculative data, which are given only for informational purposes, and which is to our knowledge until the adoption day of the current certificate.
6. The time of retention of the Sub-sample is one month from the date of the issuing of the present certificate, unless otherwise instructed by the client. This refers only to samples which can be kept during this period of time in appropriate conditions.

P9 QTOF Sindos Package (721 active ingredients) & Dithiocarbamates**LC-QTOF & GC-MS-MS (721 active ingredients)**

Method of analysis: «Lehotay Et.Al.: AOAC Vol.88, No.2, 2005 Modified) ». Code No. O.B.02.001.
The Reporting Limit of the method is at 0.01 mg/Kg (ppm)
The following active ingredients were analyzed with the above-mentioned methods

1-Naphthylacetamide, 2-phenylphenol, 4,4 dichlorobenzophenone, 5-hydroxy-thiabenzazole, Abamectin (sum of Avermectin B1a, Avermectin B1b and delta-8, 9 isomer of Avermectin B1a, expressed as Avermectin B1a), Acephate, Acetamidopropyl, Acetamidopropyl-N-Desmethyl, Acetochlor, Acibenzolar-S-methyl (sum of Acibenzolar-S-isomers and Acibenzolar Acid (free and conjugated)), expressed as Acibenzolar-S-methyl), Aclonifen, Acrinathrin, Alachlor, Alanycarb, Albendazole, Aldicarb (sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb), Aldrin (Aldrin and dieldrin combined expressed as dieldrin), Allethrine (Biollethrine), Allidochlor, Ametocradin, Ametryn, Amicarbazone, Aminocarb, Amitraz metabolite BTS 27271, Ancymidol, Anilofos, Anthraquinone, Aspon, Asulam, Atraton, Atrazin 2 hydroxy, Atrazine, Atrazine-desethyl, Atrazine-desisopropyl, Azaconazole, Azadirachtin, Azamethiphos, Azimsulfuron, Azinphos-ethyl, Azinphos-methyl, Aziprotryne, Azoxystrobin, Barban, Beflubutamid, Benalaxyl including other mixtures of constituent isomers including benalaxyl-M (sum of isomers), Benazolin-ethyl ester, Bendiocarb, Benfluralin, Benfuracarb, Benodanil, Benomyl (sum of benomyl and carbendazim expressed as carbendazim), Benoxacor, Bensulfuron methyl, Bensulide, Benthialicarb (Benthialicarb-isopropyl (KIF-230 R-L) and its enantiomer (KIF-230 S-D) and its diastereomers (KIF-230 S-L and KIF-230 R-D)), expressed as benthialicarb-isopropyl), Benzalkonium chloride BAC (mixture of alkylbenzyltrimethylammonium chlorides with alkyl chain lengths of C8, C10, C12, C14, C16 and C18), Benzoximate, Benzoylprop ethyl, Benzthiazuron, Bifenazate (sum of bifenazate plus bifenazate-diazene expressed as bifenazate), Bifenox, Bifenthrin, Biphenyl, Bispyribac, Bitertanol, Boscalid, Bromacil, Bromadiolone, Bromfeninfos, Bromobutide, Bromocyclen, Bromophos-ethyl, Bromophos-methyl, Bromopropylate, Bromuconazole (sum of diastereoisomers), BTS44595 Prochloraz metabolite, BTS44596 Prochloraz metabolite, Bupirimate, Buprofezin, Butachlor, Butafenacil, Butamifos, Butocarboxim, Butocarboxim sulfoxide, Butoxycarboxim, Butralin, Buturon, Cadusafos, Cambendazole, Capropamide, Captafol, Captan (Sum of captan and THPI, expressed as captan), Carbaryl, Carbendazim (sum of benomyl and carbendazim expressed as carbendazim), Carbetamide, Carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran), Carbofuran 3-hydroxy, Carbofuran keto, Carbophenothion methyl, Carbophenothion, Carbosulfan, Carboxin, Carfentrazone-ethyl (determined as carfentrazone and expressed as carfentrazone-ethyl), Chinomethionat (aka quinomethionate), Chlorantraniliprole (DPX E-2Y45), Chlorbenside, Chlorbromuron, Chlorbufam, Chlordane (sum of Cis- and trans-chlordane), Chlorfenapyr, Chlorfenprop methyl, Chlorfenson, Chlorfenvinphos, Chlorfluazuron, Chloridazon, Chlormefos, Chlorobenzilate, Chloroneb, Chlorothalonil, Chlorotoluron, Chloroxuron, Chlorpropham, Chlorpyrifos, Chlorpyrifos-methyl, Chlorsulfuron, Chlorthal-dimethyl, Chlorthion, Chlorthiophos, Chlozolinate, Chromafenozide, Cinidon-ethyl (sum of cinidon ethyl and its E-isomer), Clethodim (sum of Sethoxydim and Clethodim including degradation products calculated as Sethoxydim), Climbazole, Clodinafop and its S-isomers and their salts, expressed as clodinafop, Clodinafop-propargyl, Clofentezine, Clomazone, Cloquintocet mexyl, Clothianidin, Coumachlor, Coumaphos, Crimidine, Crotoxyphos, Cruformate, Cyanazine, Cyanofenphos, Cyanophos, Cyazofamid, Cycloate, Cycloxydim including degradation and reaction products which can be determined as 3-(3-thianyl)glutaric acid S-dioxide (BH 517-TGSO2) and/or 3-hydroxy-3-(3-thianyl)glutaric acid S-dioxide (BH 517-5-OH-TGSO2) or methyl esters thereof, calculated in total as cycloxydim, Cyfluron, Cyflufenamid: sum of cyflufenamid (Z-isomer) and its E-isomer, Cyflumetofen, Cyfluthrin (cyfluthrin including other mixtures of constituent isomers (sum of isomers)), Cyhalofop-butyl, Cymiazole, Cymoxanil, Cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers)), Cyprazin, Cyproconazole, Cyprodinil, Cyromazine, Cythioate, DDD-o-p, DDD-p-p, DDE-o-p, DDE-p-p, DDT (sum of p-p-DDT, o-p-DDT p-p-DDE and p-p'-DDE (DDD) expressed as DDT), DEET (N-N-Diethyl-m-toluamid), Deltamethrin (cis-deltamethrin), Demeton-O, Demeton-S-methyl, Demeton-S-methyl sulfoxide, Demeton-S-methyl sulfone, Desmedipham, Desmetyrn, Diafentiuron, Dialifos, Diazinon, Dichlobenil, Dichlofenthion, Dichlofluanid, Dichloramid, Dichlorobenzamide, Dichlorvos, Diclobutrazol, Diclofop (sum of diclofop-methyl and diclofop acid expressed as diclofop-methyl), Dicloran, Diclosulam, Dicofof (sum of p-p' and o-p' isomers), Dicofof, Dicrotophos, Didecyldimethylammonium chloride DDAC (mixture of alkyl-quaternary ammonium salts with alkyl chain lengths of C8 C10 and C12), Dieldrin (Aldrin and dieldrin combined expressed as dieldrin), Diethofencarb, Difenacoum, Difenconazole, Difenoxuron, Difenzoquat, Diflubenzuron, Diflufenican, Dimefuron, Dimethachlor, Dimethenamid including other mixtures of constituent isomers including dimethenamid-P (sum of isomers), Dimethirimol, Dimethoate, Dimethomorph (sum of isomers), Dimethylvinphos, Dimoxystrobin, Diniconazole (sum of isomers), Dinobuton, Dinotefuran, Dioxabenofofos, Dioxacarb, Dioxathion, Diphenamid (aka Difenamide), Diphenyl sulfide, Diphenylamine, Dipropetryn, Disulfoton (sum of disulfoton, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton), Disulfoton, Ditalimfos, Dithiopyr, Diuron, DMSA (Degr. Dichlofluanid), Dodemorph, Doline, Drazoxolon, Edifenphos, Emamectin benzoate B1a expressed as emamectin, Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expressed as endosulfan), Endrin, EPN, Epoxiconazole, EPTC (ethyl dipropylthiocarbamate), Esfenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including Fenvalerate), Etaconazole (sum of isomers), Ethalfluralin, Ethiofencarb, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate (Sum of ethofumesate 2-keto-ethofumesate open-ring-2-keto-ethofumesate and its conjugate expressed as ethofumesate), Ethoprophos, Ethoxyquin, Etobenzanil, Etofenprox, Etoxadazole, Etridiazole, Etrifos, Famoxadone, Famphur, Fenamidone, Fenamiphos (sum of fenamiphos and its sulphoxide and sulphone expressed as fenamiphos), Fenamiphos, Fenarimol, Fenazaquin, Fenbuconazole, Fenchlorazole-ethyl, Fenchlorphos (sum of fenchlorphos and fenchlorphos oxon expressed as fenchlorphos), Fenfluthrin, Fenfuram, Fenhexamid, Fenitrothion, Fenobucarb, Fenoxanil, Fenoxaprop-P ethyl, Fenoxycarb, Fenpiclonil, Fenpropathrin, Fenpropidin (sum of fenpropidin and its salts expressed as fenpropidin), Fenpropimorph, Fenpyrazamine, Fenpyroximate, Fenson (aka fenizon), Fensulfotion (sum of Fensulfotion and 3 metabolites -oxon, -sulfone, - oxon sulfone), Fenthion (fenthion and its oxygen analogue, their sulfoxides and sulfone expressed as parent), Fenuron, Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate), Fipronil (sum of fipronil + sulfone metabolite (MB46136) expressed as fipronil), Fipronil sulfide, Fipronil-desulfinyl, Fipronil-sulfone, Flamprop-isopropyl, Flamprop-M, Fonicamid (sum of fonicamid TFNA and TFNG expressed as fonicamid), Florasulam, Fluazifop-P (sum of all the constituent isomers of fluazifop its esters and its conjugates expressed as fluazifop), Fluazifop-P-butyl (fluazifop acid (free and conjugate)), Fluazuron, Fluazuron, Flubendiamide, Fluchloralin, Flucythrinate (flucythrinate including other mixtures of constituent isomers (sum of isomers)), Fludioxonil, Flufenacet (sum of all compounds containing the N fluorophenyl-N-isopropyl moiety expressed as flufenacet equivalent), Flufenoxuron, Flumetralin, Flumetsulam, Flumioxazine, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofene ethyl, Fluotrimazole, Fluoxastrobin (sum of fluoxastrobin and its Z-isomer), Flupyradifuryl, Fluquinconazole, Fluridone, Flurochloridone, Fluroxypyr (sum of fluroxypyr, its salts, its esters, and its conjugates, expressed as fluroxypyr), Flurprimidole, Flurtamone, Flusilazole, Fluthiacet-methyl, Flutolanil, Flutriafol, Fluxapyroxad, Folpet (sum of folpet and phthalimide expressed as folpet), Fomesafen, Fonofos, Foramsulfuron, Forchlorfenuron, Formetanate: Sum of formetanate and its salts expressed as formetanate (hydrochloride), Formothion, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Furmecycloz, Gibberellic acid, Griseofulvin, Halfenprox (aka brofenprox), Halofenozide, Halosulfuron methyl, Haloxypop (Sum of haloxypop, its esters, salts and conjugates expressed as haloxypop (sum of the R- and S- isomers at any ratio)), Haloxypop-ethoxyethyl, Haloxypop-methyl, Haloxypop-P (Haloxypop-R), Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor), Heptachlor-endo-epoxide, Heptachlor-exo-epoxide, Heptenophos, Hexachlorobenzene, Hexachlorocyclohexane (HCH) alpha-isomer, Hexachlorocyclohexane (HCH) beta-isomer, Hexachlorocyclohexane (HCH) d-isomer, Hexachlorocyclohexane (HCH) sum of isomers except the gamma isomer, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Imazalil, Imazamethabenz, Imazamox (sum of imazamox and its salts, expressed as imazamox), Imazapic, Imazapyr, Imazaquin, Imazethapyr, Imibenconazole, Imidacloprid, Inabenfide, Indoxacarb (sum of indoxacarb and its R enantiomer), Iodfenphos, Iodofenphos, Iodosulfuron-methyl (sum of idosulfuron-methyl and its salts, expressed as idosulfuron-methyl), Ipconazole, Iprobenfos, Iprodione, Iprovalicarb (sum of isomers), Isazofos, Isocarbamid, Isocarboxim, Isoprothion, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole (sum of isoxaflutole and its diketonitrile-metabolite, expressed as isoxaflutole), Isoxathion, Ivermectin, Kresoxim-methyl, Lactofen, Lambda-Cyhalothrin, Lenacil, Leptophos, Lindane (Gamma-isomer of hexachlorocyclohexane (HCH)), Linuron, Lufenuron, Malathion (sum of malathion and malafoxon expressed as malathion), Mandipropamid, Mecarban, Mefenacet, Mefenpyr-diethyl, Mefluide, Mepanipyrim, Mephosfolan, Mepronil, Mesosulfuron-methyl, Mesotrione, Metaflumizone (sum of E- and Z- isomers), Metalaxyl and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)), Metalaxyl, Metamitron, Metazachlor: sum of metabolites 479M04, 479M08, 479M16, expressed as metazachlor, Metconazole (sum of isomers), Methabenzthiazuron, Methacrifos, Methamidophos, Methidathion,

Methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone, expressed as methiocarb), Methomyl, Methoprotryne, Methoxychlor, Methoxyfenozide, Metobromuron, Metolachlor and S-metolachlor (metolachlor including other mixtures of constituent isomers including S-metolachlor (sum of isomers)), Metolcarb, Metosulam, Metoxuron, Metrafenone, Metribuzin, Metsulfuron-methyl, Mevinphos (sum of E- and Z-isomers), Mexacarbate, Mirex, Molinate, Monalide (sum of isomers), Monocrotophos, Monolinuron, Monuron, Myclobutanil, N,N-Dimethyl-N'-p-tolylsulfamide (DMST) (Degr. Tolyfluanid), , Naled, Napropamide, Neburon, Nicosulfuron, Nitenpyram, Nitralin, Nitrapyrin, Nitrofen, Nitrothal-isopropyl, Norflurazon, Novaluron, N-Phenylurea, Nuairimol, Ofurace, Omethoate, Orbencarb, Oxadiargyl, Oxadiazon, Oxadixyl, Oxamyl, OxamylOxime, Oxfendazole, Oxycarboxin, Oxyfluorfen, Paclobutrazol, Paraoxon, Parathion, Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl), Pebulate, Penconazole, Pencycuron, Pendimethalin, Penflufen, Pentfluron, Penoxsulam, Pentachloro-aniline (sum of quintozene and pentachloro-aniline expressed as quintozene), Pentachloroanisole, Pentanochlor, Penthiopyrad, Permethrin (sum of isomers), Perthan, Pethoxamid, Phenkapton, Phenmedipham, Phenothrin (phenothrin including other mixtures of constituent isomers (sum of isomers)), Phenthoate, Phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate), Phorate-sulfone, Phorate-sulfoxide, Phosalone, Phosmet (phosmet and phosmet oxon expressed as phosmet), Phosphamidon (sum of isomers), Phoxim, Phthalimide (sum of folpet and phtalimide expressed as folpet), Picolinafen, Picoxystrobin, Pinoxaden, Piperonyl butoxide, Piperophos, Pirimicarb Desmethyl , Pirimicarb, Pirimicarb-desmethyl-formamido, Pirimiphos-ethyl, Pirimiphos-methyl, Pretilachlor, Prochloraz (sum of prochloraz and its metabolites containing the 2,4,6-Trichlorophenol moiety expressed as prochloraz), Procymidone, Profenofos, Profluralin, Profoxydim (sum of isomers), Promecarb, Prometon, Prometryn, Propachlor: oxalinic derivate of propachlor expressed as propachlor, Propamocarb (sum of propamocarb and its salts expressed as propamocarb), Propanil, Propaquizafop, Propargite, Propazine, Propetamphos, Propham, Propiconazole (sum of isomers), Propoxur, Propoxycarbazono, Propyzamide, Proquinazid, Prosulfocarb, Prothioconazole: prothioconazole-desthio (sum of isomers), Prothiofos (Tokuthion), Pymetrozine, Pyracarbolid, Pyraclostrobin, Pyraflufen-ethyl (sum of pyraflufen-ethyl and pyraflufen, expressed as pyraflufen-ethyl), Pyrazophos, Pyrethrins (I&II), Pyributicarb, Pyridaben, Pyridalyl, Pyridaphenthion, Pyridate (sum of pyridate, its hydrolysis product CL 9673 (6-chloro-4-hydroxy-3-phenylpyridazin) and hydrolysable conjugates of CL 9673 expressed as pyridate), Pyridate degradation, Pyrifenoxy (sum of isomers), Pyrifthalid, Pyrimethanil, Pyrimidifen, Pyriofenone , Pyriproxifen, Pyriithiobac sodium, Pyroquilon, Pyroxsulam, Quinalphos, Quinoclamine, Quinoxifen, Quintozene (sum of quitozene and pentachloro-aniline expressed as quitozene), Quizalofop-P, Quizalofop-P-ethyl, Quizalofop-P-tefuryl, Rabenzazole, Resmethrin (resmethrin including other mixtures of constituent isomers (sum of isomers)), Rimsulfuron, Rotenone, S421, Saflufenil, Sethoxydim (sum of isomers), Siduron (sum of isomers), Silafluofen, Silthiofam, Simazine, Simeconazole, Simetryn, Spinetoram (XDE-175), Spinosad (spinosad sum of spinosyn A and spinosyn D), Spirodiclofen, Spiromesifen, Spirotetramat and its 4 metabolites BY108330-enol, BY108330-ketohydroxy, BY108330-monohydroxy, and BY108330 enol-glucoside, expressed as spirotetramat, Spiroxamine (sum of isomers), Sulfentrazone, Sulfotep, Sulfoxaflor (sum of isomers), Sulprofos, Tau-Fluvalinate, TCMTB, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebupirimphos, Tebutam (aka butam), Tebuthiuron, Tecnazene, Teflubenzuron, Tefluthrin, Temephos, TEPP, Tepraloxymid (sum of tepraloxymid and its metabolites that can be hydrolysed either to the moiety 3-(tetrahydro-pyran-4-yl)-glutaric acid or to the moiety 3-hydroxy-(tetrahydro-pyran-4-yl)-glutaric acid, expressed as tepraloxymid), Terbacil, Terbufos, Terbufos-sulfone, Terbufos-sulfoxide, Terbumeton, Terbutylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetradifon, Tetrahydrophthalimide (THPI) (Sum of captan and THPI, expressed as captan), Tetramethrin (I&II), Tetrasul, Thenylchlor, Thiabendazole, Thiachlopid, Thiamethoxam, Thiazafurion, Thiazopyr, Thidiazuron, Thifensulfuron-methyl, Thiobencarb (4-chlorobenzyl methyl sulfone), Thiodicarb, Thiofanox, Thiofanox sulfone, Thiofanox sulfoxide, Thiometon, Thiometon sulfone, Thiometon sulfoxide, Thionazin, Thiophanate (ethyl), Thiophanate-methyl, Tolclofos-methyl, Tolfenpyrad, Tolyfluanid (Sum of tolyfluanid and dimethylaminosulfotoluidide expressed as tolyfluanid), Tralkoxydim (sum of the constituent isomers of tralkoxydim), Transfluthrin, Triadimefon, Triadimenol (sum), Tri-allate, Triasulfuron, Triazamate, Triazophos, Tribenuron-methyl, Tribufos (s, s, s-tributyl-phosphorotrithioate), Trichlorfon, Trichloronat, Tricyclazole, Tridemorph, Trietazine, Trifloxystrobin, Trifloxysulfuron, Triflumizole: Triflumizole and metabolite FM-6-1(N-(4-chloro-2-trifluoromethylphenyl)-n-propoxyacetamidine), expressed as Triflumizole, Triflumuron, Trifluralin, Triflufosulfuron, Triforine (sum of isomers), Trimethacarb (2.3.5), Trinexapac (sum of trinexapac (acid) and its salts, expressed as trinexapac), Triticonazole, Tritosulfuron, Uniconazole, Vamidothion sulfone, Vamidothion sulfoxide, Vamidothion, Vernolate, Vinclozolin, Warfarin, XMC (I & II), Zoxamide.

Dithiocarbamates (as CS2) with GC/FPD-S (6 active ingredients)

- Method of analysis: ANDRE DE KOK ETAL,6TH EUROPEAN PESTICIDE RESIDUE WORKSHOP (2006) with GC/FPD-S (modified), code no. O.B.02.022.
- The following active ingredients were analyzed with the above mentioned methods
- The Reporting Limit of the method is 0,01 mg/Kg (ppm), sum expressed as CS2

Mancozeb, Propineb, Maneb, Metiram, Thiram, Ziram

Advice based on / Advice based on: EU MRLs & EFSA ARfDs

Retailer	MRL % AS	MRL % SUM	ARFD % AS	ARFD % SUM	No of substances
REWE	ok	ok	ok	n.a.	n.a.

REWE: Sample is compliant with internal requirements/ Sample is compliant with internal requirements

1. The evaluation of the results is referring to the scope of analysis that agreed with the client / The evaluation of the results is referring to the scope of analysis that agreed with the client
2. The evaluation of the results is not a part of company's scope of accreditation / The evaluation of the results is not a part of company's scope of accreditation
3. The data are considered as form 01.06.2017 and up to date company's knowledge, as far as the internal requirements of the retailers are concerned / The data are considered as form 01.06.2017 and up to date company's knowledge, as far as the internal requirements of the retailers are concerned
4. The evaluation of the results is given only for informative reason and the company does not accept any legal responsibility / The evaluation of the results is given only for informative reason and the company does not accept any legal responsibility