



TEST REPORT

Client	BILLA Bulgaria
Client's address	BULGARIA
Sample description	RADISHES
Sampling	As stated by client: CLIENT
Date of sample receipt	22/04/2020
Date of Import	22/04/2020
Sample code	2020-18902
Type of analysis	Determination of Pesticide Residues

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For any information please contact the commercial department.

Results

Sample Code **2020-18902**
Period of Analysis **23/04/2020 - 23/04/2020**
Client's Declaration **0213080 00BBU20042104 Radish** **Bulgaria conventional**
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
Chlorpyrifos (F)	0,023	0,01	0,005	7	0,00056	230	11,20	Reg. (EU) 2018/686
Dimethoate	0,177	0,03	0,01	7	0,00434	590,0	43,40	Reg. (EU) 2017/1135
Methomyl	0,054	0,01	0,0025	7	0,00132	540	52,8	Reg. (EU) 2016/1822
Omethoate	0,028	0,02	0,002	7	0,00069	140,0	34,50	Reg. (EU) 2017/1135
Sum :						1500,0	141,90	

Number of findings : 4

Consumption rate: 64,4 gr. Body weight: 18,400 kg

Calculation Model : EFSA PRIMo Vers. 3.1

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. The company 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. OThe 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.

P059b LC-QTOF Sindos Package (711 active ingredients)**LC-QTOF & GC-MS-MS (711 active ingredients)**

· Μέθοδος ανάλυσης / Method of analysis: «Lehotay Et.Al.: AOAC Vol.88, No.2, 2005 (Modified) ». Code No. O.B.02.001, O.B.02.036
· Τα Όρια Αναφοράς της μεθόδου είναι στο 0.01 mg/Kg (ppm) /The Reporting Limit of the method is at 0.01 mg/Kg (ppm)
· Οι παρακάτω δραστικές αναλύθηκαν με τις προαναφερόμενες μεθόδους / The following active ingredients were analyzed with the above-mentioned methods

2-phenylphenol, 4,4 dichlorobenzophenon, 5-hydroxy-thiabenzazole*, Abamectin (sum of avermectin B1a, avermectin B1b and delta-8, 9 isomer of avermectin B1a, expressed as avermectin B1a)*, Acephate*, Acetamidrid, Acetamidrid-N-Desmethyl*, Acetochlor, 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, Aramite*, Aspon, Asulam*, Atraton, Atrazin 2 hydroxy*, Atrazine, Atrazine-desethyl, Atrazine-desisopropyl*, Azacozazole, 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, Benthiavalicarb (Benthiavalicarb-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 benthiavalicarb-isopropyl), Benzalkonium chloride BAC (mixture of alkylbenzyltrimethylammonium chlorides with alkyl chain lengths of C8*, C10, C12*, C14, C16 and C18*), Benzovindiflupyr*, Benzoximate, Benzoylprop ethyl, Benzthiazuron, Bifenazate (sum of bifenazate plus bifenazate-diazene* expressed as bifenazate), Bifenox*, Bifenthrin, Biphenyl, Bispyribac, Bitertanol, Boscalid, Brodifacoum*, 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, Capromamide, Captafol*, Captan*, 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, Carbophenothion methyl, Carbosulfan*, Carboxin, Chinomethionat (aka quinomethionate), Chlorantraniliprole (DPX E-2Y45), Chlorbenside, Chlorbromuron, Chlorbromuron, Chlorbromuron, Chlorbromuron, Chlordane (sum of cis- and trans-chlordane), Chlorfenapyr, Chlorfenprop methyl, Chlorfenson, Chlorfeninfos, Chlorfluazuron*, Chloridazon, Chlormephos, Chlorobenzilate, Chlorobenzuron*, Chloroneb, Chlorothalonil, Chlorotoluron, Chloroxuron, Chloropham, 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-propargyl*, Clofentezine, Clomazone, Cloquintocetmexyl, Clothianidin, Coumaphor, Coumaphos, Crimidine*, Crotoxyphos*, Cruformate, Cyanazine, Cyanofenphos, Cyanophos, Cyantraniloprole*, 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*, Cymoxani*, 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-TDE (DDD) expressed as DDT), DEET (N-N-Diethyl-m-toluamid), Deltamethrin (cis-deltamethrin), Demeton-O, Demeton-S-methyl*, Demeton-S-methylsulfoxide*, Demeton-S-methylsulphone, Desmedipham, Desmetyron, Diafenthiuron, Dialifos, Diazinon, Dichlobenil, Dichlofenthion, Dichlofluanid, Dichlormid*, Dichlorobenzamide*, Dichlorvos, Diclobutrazol, Dicloran, Diclosulam*, Dicofol, Dicofol (sum of p-p' and o-p' isomers)*, Dicrotophos, Didecyltrimethylammonium 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, Difenoquat, Diflubenuron, Diflufenacin, Dimetfuron, 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*, Dioxabenofos, Dioxacarb, Dioxathion*, Diphenamid (aka difenamide), Diphenyl sulfide, Diphenylamine, Dipropetryn, Disulfoton, Disulfoton (sum of disulfoton*, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton), Ditalimfos, Dithiopyr, Diuron, DMSA*, Dodemorph, Dodine, Draxoxolon*, Edifenphos, Emamectin benzoate B1a expressed as emamectin*, Endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate* expressed as endosulfan), Enderin, EPN, Epoxiconazole, EPTC (ethyl dipropylthiocarbamate), Esfenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including Fenvalerate), Etaconazole (sum of isomers), Ethalfuralin, Ethametsulfuron methyl*, 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*, Ethoxysulfuron*, Etobenzanid, Etofenprox, Etoazole, Etridiazole, Etrimfos, Famoxadone, Famphur, Fenamidone, Fenamiphos, Fenamiphos (sum of fenamiphos* and its sulphoxide and sulphone expressed as fenamiphos), Fenarimol, Fenazaquin, Fenbuconazole, Fenchlorazole-ethyl, Fenchlorphos (sum of fenchlorphos and fenchlorphos oxon* expressed as fenchlorphos), Fenfluthrin, Fenfuram, Fenhexamid, Fenitrothion, Fenobucarb, Fenoxanil, 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 oxigen analogue, their sulfoxides and sulfone expressed as parent), Fenuron*, Fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR) including esfenvalerate*), Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil), Fipronil sulfide*, Fipronil-desulfinyl*, Fipronil-sulfone*, Flamprop-isopropyl, Flamprop-M, Flonicamid (sum of flonicamid TFNA* and TFNG* expressed as flonicamid), Florasulam, Fluazuron, Fluazuron*, Flubendiamide, Fluchloralin, Flucytrinate (flucytrinate 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, Fluoroglycofen ethyl, Fluotrimazole, Fluoxastrobin (sum of fluoxastrobin and its Z-isomer), Flupyradifyron*, Fluquinconazole, Fluridone, Flurochloridone, Flurprimidole, Flurtamone, Flusilazole, Fluthiacet-methyl, Flutolanil, Flutriaol, 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, Furnecyclox*, Griseofulvin, Halfenprox (aka brofenprox), Halofenozide*, Halosulfuron methyl, 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*, Hexaflumuron*, Hexazinone, Hexythiazox, Icaridin*, Imazalil, Imazamethabenz, Imazamox (sum of imazamox and its salts, expressed as imazamox)*, Imazapic*, Imazapyr*, Imazaquin*, Imazethapyr*, Imibenconazole, Imidacloprid*, Imiprothrin*, Inabentide, Indaziflam*, Indoxacarb (sum of indoxacarb and its R enantiomer), Iodfenphos, Iodfenphos*, Iodosulfuron-methyl (sum of idosulfuron-methyl and its salts, expressed as idosulfuron-methyl), Ipconazole, Iprobenfos, Iprodione*, Iprovalicarb (sum of isomers), Isazofos, Isocarbamid, Isocarbophos (ISO: isopropyl O-(methoxyaminothiophosphoryl)salicylate), Isodrin, Isofenphos, Isofenphos-methyl, Isoprocab, Isopropalin, Isoprothiolane, 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 malaoxon expressed as malathion), Mandipropamid, Mecarbam, Mefenacet, Mefenpyr-diethyl, Mefluidide, Mepanipyrim, Mephosfolan, Mepronil, Mesosulfuron-methyl, Mesotrione*, Metaflumizone (sum of E- and Z- isomers), Metalaxyl, Metalaxyl* and metalaxyl-M (metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)), Metamitron, Metazachlor: sum of metabolites 479M04, 479M08, 479M16, expressed as metazachlor, Metconazole (sum of isomers), Methabenzthiazuron, Methacryfos, Methamidophos*, Methfuroxam*, 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*, Metafenone, 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-tolylsulphamide (DMST), Naled, Napropamide, Neburon, Nicosulfuron, Nitenpyram*, Nitralin, Nitrapyrin, Nitrofen, Nitrothal-isopropyl, Norflurazon, Novaluron*, N-Phenylurea*, Nuarimol, Octachlorodipropyl ether (S 421), Ofurace, Omethoate, Orbencarb, Oxadiargyl, Oxadiazon, Oxadixyl, Oxamyl*, Oxamyl oxime*, Oxfendazole, Oxycarboxin, Oxyfluorfen, Paclobutrazol, Paraoxon, Parathion, Parathion-methyl (sum of Parathion-methyl and paraoxon-methyl expressed as Parathion-methyl), Pebulate, Penconazole, Pencycuron, Pendimethalin, Penflufen, Penfluron, Penoxsulam, Pentachloro-aniline (sum of quintozone and pentachloro-aniline expressed as quintozone), 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 phthalimide expressed as folpet), Picolinafen, Picoxystrobin, Pinoxaden, Piperonyl butoxide, Piperophos, Pirimicarb, Pirimicarb Desmethyl, 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, Propoxycarbazone, Propyzamide, Proquinazid, Prosulfocarb, Prothioconazole: prothioconazole -desthio (sum of isomers), Prothiofos (Tokuthion), Pymetrozine, Pyracarbolid, Pyraclostrobin, 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), Pyrifitalid, Pyrimethanil, Pyrimidifen, Pyriminobac methyl*, Pyriofenone *, Pyriproxyfen, Pyriproxyfen sodium*, Pyroquilon*, Pyroxsulam, Quinalphos, Quinoclamine*, Quinoxifen, Quintozene (sum of quintozone and pentachloro-aniline expressed as quintozone), Rabenzazole, Resmethrin (resmethrin including other mixtures of constituent isomers (sum of isomers))* , Rimsulfuron, Rotenone, Saflufenil*, Sebuthylazine*, Sedaxane*, 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-mono-hydroxy, and BY108330 enol-glucoside*, expressed as spirotetramat, Spiroxamine (sum of isomers), Sulfentrazone, Sulfotep, Sulfoxaflor (sum of isomers)*, Sulprofos, Tau-Fluvalinate, TCMTB, Tebuconazole, Tebufenozone, Tebufenpyrad, Tebupirimphos, Tebutam (aka butam), Tebuthiuron, Techazene, 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-sulfon, Terbufos-sulfoxid, Terbumeton, Terbutylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetradifon, Tetrahydrophthalimide (THPI) deg Captan, Tetramethrin (I&II), Tetrasul, Thenylchlor, Thiabendazole*, Thiachloprid*, Thiamethoxam, Thiazafuron, 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-propoxyacetamide)*, expressed as Triflumizole, Triflumuron*, Trifluralin, Triflusulfuron, Triforine (sum of isomers)*, Trimethacarb (2.3.5), Triticonazole, Tritosulfuron, Uniconazole*, Vamidothion, Vamidothion sulfone*, Vamidothion sulfoxide*, Vernolate, Vinclozolin, Warfarin, XMC (I & II)*, Zoxamide, Matrine (screening).

* οι συγκεκριμένες δραστικές ουσίες είναι εκτός του Πεδίου Διαπίστευσης (αριθμός Πιστοποιητικού 44), σύμφωνα με το πρότυπο ΕΛΟΤ EN ISO 17025 / The particular active ingredients are not included to the Scope of Accreditation (Certificate number 44), according the standard ELOT EN ISO 17025.

Advice based on: EU MRLs & EFSA ARfDs

Retailer	MRL % AS	MRL % SUM	ARFD % AS	ARFD % SUM	No of substances	Black List
REWE	4x > 50,00%	> 100,00%	ok	n.a.	n.a.	1

REWE: Sample is not compliant with internal requirements

1. 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
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
4. The evaluation of the results is given only for informative reason and the company does not accept any legal responsibility