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Report # 060925_101D0613R274
Customer # 2011461MDL
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PO # MDL2025

Analytical Results

Sample ID	Sample Type	Test	Result
MDL Clean Vitamin Powder	Powder	AMPA	<0.01 ppm(mg/kg)
MDL Clean Vitamin Powder	Powder	Arsenic	151.2 ppb (µg/kg)
MDL Clean Vitamin Powder	Powder	Cadmium	16.4 ppb (µg/kg)
MDL Clean Vitamin Powder	Powder	Glyphosate	<0.01 ppm(mg/kg)
MDL Clean Vitamin Powder	Powder	Lead	126.5 ppb (µg/kg)
MDL Clean Vitamin Powder	Powder	Mercury	3.9 ppb (µg/kg)
MDL Clean Vitamin Powder	Powder	Pesticide Residue Analysis	Imazalil 0.016 ppm; Other Tested Pesticides Below LOQ*

Method Reference:

Arsenic	AOAC 2015.01
Cadmium	AOAC 2015.01
Glyphosate	AOAC 2007.01
Lead	AOAC 2015.01
Mercury	AOAC 2015.01
Pesticide Residue Analysis	AOAC 2007.01

LOQ*: Limit of Quantitation

** : See list of Pesticides and LOQs

A handwritten signature in blue ink, appearing to read 'A. Palaparthi'.

Laboratory Director OR Approved Signatory

The results contained in this report relate only to samples submitted. Samples are tested using Genista SOPs. Genista Biosciences does not accept any liability for damages arising out of the use or interpretation of the results contained in this report.

List of Pesticides and their limits of quantitation (LOQ)

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
2,4'-Dicofol	0.01	Chlorthion	0.01
4,4'-Dicofol	0.01	Chlozolinate	0.01
Acetochlor	0.01	Cinidon-Ethyl	0.01
Acrinathrin	0.01	Cyfluthrin, beta-	0.01
Alachlor	0.01	Cyhalothrin, lambda-	0.01
Aldrin	0.01	Cypermethrin	0.01
Allethrin	0.01	Cyproconazole	0.01
Ametryn	0.01	Cyprodinil	0.01
Anthraquinone	0.01	DDD, o,p-	0.01
Atrazine	0.01	DDD, p,p-	0.01
Atrazine, Desethyl-	0.01	DDE, o,p-	0.01
Beflubutamid	0.01	DDE, p,p-	0.01
Benalaxyl	0.01	DDT, o,p-	0.01
Benfluralin	0.01	DDT, p,p-	0.01
Bifenazate	0.01	Deltamethrin	0.01
Bifenox	0.01	Diazinon	0.01
Bifenthrin	0.01	Dichlobenil	0.01
Biphenyl	0.01	Dichlofenthion	0.01
Bitertanol	0.01	Dichlorvos	0.01
Bromocyclen	0.01	Diclobutrazol	0.01
Bromophos-Ethyl	0.01	Dicloran	0.01
Bromophos-Methyl	0.01	Dicrotophos	0.01
Bromopropylate	0.01	Dieldrin	0.01
Bupirimate	0.01	Diethyl-m-toluamid, N,N-	0.01
Butylate	0.01	Difenoconazole	0.01
Captan	0.01	Diflufenican	0.01
Carbophenothion	0.01	Dimefox	0.01
Chinomethionat	0.01	Dimoxystrobin	0.01
Chlorbenside	0.01	Diniconazole	0.01
Chlordane, Cis	0.01	Dinobuton	0.01
Chlordane, Trans	0.01	Diphenylamine	0.01
Chlorfenapyr	0.01	Disulfoton	0.01
Chlorfenson	0.01	Disulfoton-Sulfone	0.01
Chlorfenvinphos	0.01	Disulfoton-Sulfoxide	0.01
Chlormephos	0.01	Ditalimfos	0.01
Chlorobenzilate	0.01	Endosulfan, alpha-	0.01
Chloroneb	0.01	Endosulfan, beta-	0.01
Chlorothalonil	0.01	Endosulfansulfate	0.01
Chlorotoluron	0.01	Endrin	0.01
Chlorpropham	0.01	EPN	0.01
Chlorpyrifos-Ethyl	0.01	EPTC	0.01
Chlorpyrifos-Methyl	0.01	Ethalfuralin	0.01
Chlorthal-Dimethyl	0.01	Ethion	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Ethofumesate	0.01	Isofenphos-Methyl	0.01
Ethofumesate, 2-keto-	0.01	Isoprothiolane	0.01
Ethoprophos	0.01	Kresoxim-Methyl	0.01
Etridiazole	0.01	Malaoxon	0.01
Etrimfos	0.01	Malathion	0.01
Fenarimol	0.01	Mefenpyr-Diethyl	0.01
Fenazaquin	0.01	Mepronil	0.01
Fenchlorphos	0.01	Metalaxyl/Mefenoxam	0.01
Fenchlorphos-Oxon	0.01	Methacrifos	0.01
Fenitrothion	0.01	Methidathion	0.01
Fenpropathrin	0.01	Methoxychlor	0.01
Fenson	0.01	Metribuzin	0.01
Fenthion	0.01	Mevinphos	0.01
Fenthion-Oxon	0.01	Mirex	0.01
Fenvalerate	0.01	Molinate	0.01
Flucythrinate	0.01	Myclobutanil	0.01
Flumetralin	0.01	Naled	0.01
Fluopicolide	0.01	Napropamide	0.01
Fluopyram	0.01	Nitrofen	0.01
Fluotrimazole	0.01	Nitrothal-Isopropyl	0.01
Flurtamone	0.01	Nuarimol	0.01
Fluvalinate, tau-	0.01	Ofurace	0.01
Folpet	0.01	Orthophenylphenol	0.01
Fonofos	0.01	Oxadixyl	0.01
Furalaxyl	0.01	Oxychlordane	0.01
HCH, alpha-	0.01	Oxyfluorfen	0.01
HCH, beta-	0.01	Paraoxon-Ethyl	0.01
HCH, delta-	0.01	Paraoxon-Methyl	0.01
HCH, epsilon-	0.01	Parathion-Ethyl	0.01
HCH, gamma-	0.01	Parathion-Methyl	0.01
Heptachlor	0.01	Penconazole	0.01
Heptachlorepoxyd, cis-	0.01	Pendimethalin	0.01
Heptachlorepoxyd, trans-	0.01	Pentachloroaniline	0.01
Heptenophos	0.01	Pentachloroanisole	0.01
Hexachlorobenzene	0.01	Pentachlorobenzene	0.01
Hexachlorobutadiene, 1,3-	0.01	Pentachlorobenzonitrile	0.01
Hexaconazole	0.01	Pentachlorophenol	0.01
Hydroxyquinoline, 8-	0.01	Perbuthylazine	0.01
Iodofenphos	0.01	Permethrin, cis-	0.01
Iprobenfos	0.01	Permethrin, trans-	0.01
Iprodione	0.01	Perthane	0.01
Iprovalicarb	0.01	Phenothrin	0.01
Isazofos	0.01	Phenthoate	0.01
Isodrin	0.01	Phorate	0.01
Isofenphos	0.01	Phosalone	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Piperonyl-Butoxide	0.01	Trichloroanisoie, 2,4,6-	0.01
Pirimiphos-Ethyl	0.01	Trifluralin	0.01
Pirimiphos-Methyl	0.01	Uniconazole	0.01
Prochloraz, BTS 45186	0.01	Vinclozolin	0.01
Procymidone	0.01	Aldicarb-Sulfone	0.01
Profenofos	0.01	2,4-D	0.01
Profluralin	0.01	Abamectin	0.01
Prometryn	0.01	Acephate	0.01
Propachlor	0.01	Acequinocyl	0.01
Propazine	0.01	Acetamiprid	0.01
Propetamphos	0.01	Acibenzolar-S-Methyl	0.01
Propyzamide	0.01	Aclonifen	0.01
Prothiofos	0.01	Afidopyropen	0.01
Pyrazophos	0.01	Aldicarb	0.01
Pyridaben	0.01	Aldicarb-Sulfoxide	0.01
Pyridaphenthion	0.01	Ametoctradin	0.01
Pyrifenox	0.01	Amidosulfuron	0.01
Pyrimethanil	0.01	Aminocarb	0.01
Pyriproxyfen	0.01	Atrazine, Desisopropyl-	0.01
Quinalphos	0.01	Azaconazole	0.01
Quintozene	0.01	Azadirachtin	0.01
Resmethrin	0.01	Azamethiphos	0.01
Silthiofam	0.01	Azimsulfuron	0.01
Simazine	0.01	Azinphos-Ethyl	0.01
Tebuconazole	0.01	Azinphos-Methyl	0.01
Tebufenpyrad	0.01	Azoxystrobin	0.01
Tecnazene	0.01	Benazolin	0.01
Tefluthrin	0.01	Bendiocarb	0.01
Terbacil	0.01	Bentazone	0.01
Terbumeton	0.01	Bentazone-Methyl	0.01
Terbuthylazine, Desethyl-	0.01	Benthiavalicarb-Isopropyl	0.01
Terbutryn	0.01	Benzoximate	0.01
Tetrachlorvinphos	0.01	Bicyclopyrone	0.01
Tetraconazole	0.01	Bioallethrin	0.01
Tetradifon	0.01	Bixafen	0.01
Tetramethrin	0.01	Boscalid	0.01
Tetrasul	0.01	Broflanilide	0.01
Thiometon	0.01	Bromacil	0.01
Tolclofos-Methyl	0.01	Bromoxynil	0.01
Transfluthrin	0.01	Bromuconazole	0.01
Triadimefon	0.01	Buprofezin	0.01
Triadimenol	0.01	Butachlor	0.01
Tri-Allate	0.01	Butocarboxim	0.01
Triamiphos	0.01	Butocarboxim-Sulfoxide	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Butoxycarboxim	0.01	Cyflumetofen	0.01
Butralin	0.01	Cyhalofop-Butyl	0.01
Buturon	0.01	Cyhexatin	0.01
Cadusafos	0.01	Cymoxanil	0.01
Carbaryl	0.01	Cyromazine	0.01
Carbendazim	0.01	Dazomet	0.01
Carbetamide	0.01	Demeton-S	0.01
Carbofuran	0.01	Demeton-S-Methyl	0.01
Carbofuran, 3-hydroxy-	0.01	Demeton-S-Methylsulfone	0.01
Carboxin	0.01	Demeton-S-Methylsulfoxide	0.01
Carboxin-Sulfoxide	0.01	Demeton-S-Sulfoxide	0.01
Carfentrazone	0.01	Desmedipham	0.01
Carfentrazone-Ethyl	0.01	Desmetryn	0.01
Chlorantraniliprole	0.01	Diafenthiuron	0.01
Chlorbromuron	0.01	Dialifos	0.01
Chlorfluazuron	0.01	Dicamba	0.01
Chloridazon	0.01	Dichlofluanid	0.01
Chloridazon, Desphenyl-	0.01	Dichlormid	0.01
Chloroxuron	0.01	Dichlorprop	0.01
Chlorsulfuron	0.01	Diclofop	0.01
Chlorthiophos	0.01	Diclofop-Methyl	0.01
Clethodim	0.01	Diclosulam	0.01
Clethodim-Sulfone	0.01	Diethofencarb	0.01
Clethodim-Sulfoxide	0.01	Diflubenzuron	0.01
Clodinafop-Propargyl	0.01	Dimefuron	0.01
Clofentezine	0.01	Dimethachlor	0.01
Clomazone	0.01	Dimethenamid	0.01
Clopyralid	0.01	Dimethoate	0.01
Cloquintocet-Mexyl	0.01	Dimethomorph	0.01
Cloransulam-Methyl	0.01	Dimethylaniline, 2,4-	0.01
Clothianidin	0.01	Dinotefuran	0.01
Coumaphos	0.01	Diuron	0.01
Crimidine	0.01	DMST	0.01
Cyanazine	0.01	DNOC	0.01
Cyantraniliprole	0.01	Dodemorph	0.01
Cyazofamid	0.01	Dodine	0.01
Cyclanilide	0.01	Edifenphos	0.01
Cyclaniliprole	0.01	Emamectin-Benzoate	0.01
Cycloate	0.01	Epoxiconazole	0.01
Cycloxydim	0.01	Ethaboxam	0.01
Cycluron	0.01	Ethiofencarb	0.01
Cyenopyrafen	0.01	Ethiofencarb-Sulfone	0.01
Cyflufenamid	0.01	Ethiofencarb-Sulfoxide	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Ethiprole	0.01	Flumioxazin	0.01
Ethirimol	0.01	Fluometuron	0.01
Ethoxyquin	0.01	Fluoxastrobin	0.01
Etofenprox	0.01	Flupyradifurone	0.01
Etoxazole	0.01	Fluquinconazole	0.01
Famoxadone	0.01	Flurochloridone	0.01
Fenamidone	0.01	Fluroxypyr	0.01
Fenamiphos	0.01	Fluroxypyr-Meptyl	0.01
Fenamiphos-Sulfone	0.01	Flusilazole	0.01
Fenamiphos-Sulfoxide	0.01	Flutolanil	0.01
Fenbuconazole	0.01	Flutriafol	0.01
Fenbutatin-Oxide	0.01	Fluxapyroxad	0.01
Fenhexamid	0.01	Fomesafen	0.01
Fenobucarb	0.01	Foramsulfuron	0.01
Fenoxaprop-P	0.01	Forchlorfenuron	0.01
Fenoxaprop-P-Ethyl	0.01	Formetanate	0.01
Fenoxycarb	0.01	Formothion	0.01
Fenpiclonil	0.01	Fosthiazate	0.01
Fenpropidin	0.01	Fuberidazole	0.01
Fenpropimorph	0.01	Halosulfuron-Methyl	0.01
Fenpyrazamine	0.01	Haloxypop	0.01
Fenpyroximate	0.01	Haloxypop-Ethotyl	0.01
Fensulfothion	0.01	Haloxypop-Methyl	0.01
Fensulfothion-Oxon	0.01	Hexaflumuron	0.01
Fensulfothion-Oxon-Sulfone	0.01	Hexazinone	0.01
Fensulfothion-Sulfone	0.01	Hexythiazox	0.01
Fenthion-Oxonsulfone	0.01	Hymexazol	0.01
Fenthion-Oxonsulfoxide	0.01	Imazalil	0.01
Fenthion-Sulfone	0.01	Imazamethabenz-Methyl	0.01
Fenthion-Sulfoxide	0.01	Imazamox	0.01
Fentin Acetate	0.01	Imazapic	0.01
Fenuron	0.01	Imazapyr	0.01
Fipronil	0.01	Imazosulfuron	0.01
Fipronil-Sulfide	0.01	Imidacloprid	0.01
Fipronil-Sulfone	0.01	Indaziflam	0.01
Flamprop	0.01	Indoxacarb	0.01
Flazasulfuron	0.01	Iodosulfuron	0.01
Flonicamid	0.01	Iodosulfuron-Methyl Sodium	0.01
Florasulam	0.01	Ioxynil	0.01
Fluazifop-Methyl	0.01	Isocarbophos	0.01
Fluazifop-P	0.01	Isofetamid	0.01
Fluazifop-P-Butyl	0.01	Isoprocab	0.01
Fluazinam	0.01	Isoproturon	0.01
Flubendiamide	0.01	Isopyrazam	0.01
Fludioxonil	0.01	Isoxaben	0.01
Fluensulfone	0.01	Isoxaflutole	0.01
Flufenacet	0.01	Isoxaflutole, RPA 202248	0.01
Flufenacet ESA Sodium	0.01	Isoxathion	0.01
Flufenacet OA	0.01	Ivermectin	0.01
Flufenoxuron	0.01	Lactofen	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Lenacil	0.01	Oxasulfuron	0.01
Linuron	0.01	Oxathiapiprolin	0.01
Lufenuron	0.01	Oxycarboxin	0.01
Mandestrobin	0.01	Oxymatrine	0.01
Mandipropamid	0.01	Paclobutrazol	0.01
Matrine	0.01	Pencycuron	0.01
MCPA	0.01	Penoxsulam	0.01
Mecarbam	0.01	Penthiopyrad	0.01
Mefentrifluconazole	0.01	Phenmedipham	0.01
Mepanipyrim	0.01	Phorate-Oxon	0.01
Meptyldinocap	0.01	Phorate-Oxonsulfone	0.01
Mesosulfuron-Methyl	0.01	Phorate-Oxonsulfoxide	0.01
Mesotrione	0.01	Phorate-Sulfone	0.01
Metaflumizone	0.01	Phorate-Sulfoxide	0.01
Metamitron	0.01	Phosmet	0.01
Metazachlor	0.01	Phosmet-Oxon	0.01
Metconazole	0.01	Phosphamidon	0.01
Methabenzthiazuron	0.01	Phoxim	0.01
Methamidophos	0.01	Picloram	0.01
Methiocarb	0.01	Picolinafen	0.01
Methiocarb-Sulfone	0.01	Picoxystrobin	0.01
Methiocarb-Sulfoxide	0.01	Pinoxaden	0.01
Methomyl	0.01	Pirimicarb	0.01
Methoprotryne	0.01	Pirimicarb, Desmethyl-	0.01
Methoxyfenozide	0.01	Pirimicarb, Desmethyl formamido-	0.01
Metobromuron	0.01	Prochloraz	0.01
Metolachlor	0.01	Prochloraz, BTS 40348	0.01
Metolcarb	0.01	Prochloraz, BTS 44595	0.01
Metosulam	0.01	Prochloraz, BTS 44596	0.01
Metoxuron	0.01	Prohexadione Calcium	0.01
Metrafenone	0.01	Promecarb	0.01
Metsulfuron-Methyl	0.01	Propachlor OA	0.01
Milbemycin A3	0.01	Propamocarb	0.01
Milbemycin A4	0.01	Propanil	0.01
Monocrotophos	0.01	Propaquizafop	0.01
Monolinuron	0.01	Propargite	0.01
Monuron	0.01	Propham	0.01
Neburon	0.01	Propiconazole	0.01
Nicosulfuron	0.01	Propoxur	0.01
Nitenpyram	0.01	Propoxycarbazone Sodium	0.01
Nitralin	0.01	Proquinazid	0.01
Nitralin	0.01	Prosulfocarb	0.01
Norflurazon	0.01	Prosulfuron	0.01
Novaluron	0.01	Prothioconazole-Desthio	0.01
Omethoate	0.01	Pydiflumetofen	0.01
Oryzalin	0.01	Pymetrozine	0.01
Oxadiargyl	0.01	Pyracarbolid	0.01
Oxadiazon	0.01	Pyraclostrobin	0.01
Oxamyl	0.01	Pyraflufen	0.01

Pesticide	LOQ mg/kg (ppm)	Pesticide	LOQ mg/kg (ppm)
Pyraflufen-Ethyl	0.01	Thiofanox-Sulfoxide	0.01
Pyridalyl	0.01	Thiophanate-Methyl	0.01
Pyridate	0.01	Tiocarbazil	0.01
Pyrifluquinazon	0.01	Tolfenpyrad	0.01
Quinclorac	0.01	Tolylfluanid	0.01
Quinoxifen	0.01	Triasulfuron	0.01
Quizalofop-Ethyl	0.01	Triazamate	0.01
Rimsulfuron	0.01	Triazophos	0.01
Rotenone	0.01	Triazoxide	0.01
Saflufenacil	0.01	Tribenuron-Methyl	0.01
Sebuthylazine	0.01	Trichlorfon	0.01
Sethoxydim	0.01	Triclopyr	0.01
Spinetoram	0.01	Tricresyl Phosphate	0.01
Spinosad	0.01	Tricyclazole	0.01
Spirodiclofen	0.01	Tridemorph (mixture of congeners)	0.01
Spiromesifen	0.01	Trifloxystrobin	0.01
Spirotetramat	0.01	Triflumizole	0.01
Spirotetramat-enol	0.01	Triflumizole, FM-6-1	0.01
Spirotetramat-enol-glucoside	0.01	Triflumuron	0.01
Spirotetramat-ketohydroxy	0.01	Triforine	0.01
Spirotetramat-monohydroxy	0.01	Triticonazole	0.01
Spiroxamine	0.01	Vamidotion	0.01
Sulcotrione	0.01	Zoxamide	0.01
Sulfentrazone	0.01		
Sulfosulfuron	0.01		
Sulfotep	0.01		
Sulfoxaflor	0.01		
Tebufenozide	0.01		
Teflubenzuron	0.01		
Tepraloxydim	0.01		
Terbufos	0.01		
Terbufos-Sulfone	0.01		
Terbufos-Sulfoxide	0.01		
Tetraniliprole	0.01		
TFNA	0.01		
TFNG	0.01		
Thiabendazole	0.01		
Thiacloprid	0.01		
Thiamethoxam	0.01		
Thidiazuron	0.01		
Thiencarbazone-Methyl	0.01		
Thifensulfuron-Methyl	0.01		
Thiobencarb	0.01		
Thiocyclam-Oxalate	0.01		
Thiodicarb	0.01		
Thiofanox	0.01		
Thiofanox-Sulfone	0.01		