



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 23-004789/D005.R000
Report Date: 04/27/2023
Purchase Order:
Received: 04/20/23 10:08 AM



Customer: Analytical Resource Lab
 520 South 850 East, STE B3
 Lehi Utah 84043
 United States of America (USA)

Sample ID: 672569: PROBIOTIXX+ Lot: 23009

Sample Matrix: Supplement

Laboratory ID: 23-004789-0003-00

Evidence of Cooling: No

Temp: 18.3 °C

Relinquished by: Fedex

Sample Results

Pesticides

Multi-Residue Pesticide Profile

All compounds on the attached sheet were found to be <LOQ except those listed

Analyte	Result	Units	LOQ	Analyzed	Method	Notes
Quinclorac	0.0270	mg/kg	0.0100	04/26/23	AOAC 2007.01 & EN 15662 (mod) ^p	

Abbreviations

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

^p = ISO/IEC 17025:2017 accredited method.

Units of Measure

mg/kg = Milligram per kilogram = parts per million (ppm)

Approved Signatory

Derrick Tanner
 General Manager



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P2220 Multi-Residue Pesticide Profile

Analyte	LOQ (mg/kg)
1, NAA	0.01
2,4,5-T	0.01
2,4,5-TP	0.01
2,4-D	0.01
2,4-DB	0.01
2,4-DP (Dichlorprop)	0.01
Abamectin (Avermectin)	0.01
Acephate	0.02
Acequinocyl	0.01
Acetamiprid	0.01
Acetochlor	0.02
Acifluorfen	0.01
Acrinathrin	0.01
Alachlor	0.02
Aldicarb	0.01
Aldicarb sulfone (Aldoxycarb)	0.01
Aldicarb-sulfoxide	0.01
Aldrin	0.01
Ametoctradin	0.01
Ametryn	0.01
Aminocyclopyrachlor	0.01
Anilazine	0.03
Aspon	0.01
Asulam	0.01
Atrazine	0.01
Atrazine-desethyl	0.01
Azinphos-ethyl	0.01
Azinphos-methyl	0.01
Azoxystrobin	0.01
Benalaxyl	0.01
Bendiocarb	0.01
Benfluralin	0.01
Benoxacor	0.01
Bensulide	0.01
Bentazon	0.01
Benzovindiflupyr	0.01
BHC alpha isomer	0.01
BHC beta isomer	0.01
BHC delta isomer	0.01
Bifenazate	0.01
Bifenox	0.01
Bifenthrin	0.01
Binapacryl	0.04
Bioresmethrin	0.01
Bitertanol	0.02
Boscalid	0.01
Broflanilide	0.01
Bromacil	0.02
Bromophos-methyl	0.01
Bromophos-ethyl	0.02
Bromopropylate	0.01
Bromoxynil	0.01
Bromuconazole	0.01
Bupirimate	0.01

Analyte	LOQ (mg/kg)
Buprofezin	0.01
Butachlor	0.01
Butoxycarb	0.01
Butralin	0.02
Butylate	0.01
Cadusafos	0.01
Captafol	0.1
Captan	0.02
Carbaryl	0.01
Carbendazim	0.01
Carbofuran	0.01
Carbofuran, 3-hydroxy	0.01
Carbophenothion	0.01
Carbophenothion methyl	0.01
Carboxin	0.01
Carfentrazone-ethyl	0.01
Chlorantraniliprole	0.01
Chlordane, cis-	0.01
Chlordane, trans-	0.01
Chlordimeform	0.01
Chlorfenapyr	0.02
Chlorfenson (Ovex)	0.01
Chlorfenvinphos	0.01
Chlorimuron-ethyl	0.01
Chlornitrofen (CNP)	0.02
Chlorobenzilate	0.01
Chloroneb	0.01
Chlorothalonil	0.04
Chlorpropham (CIPC)	0.01
Chlorpyrifos (ethyl)	0.01
Chlorpyrifos-methyl	0.01
Chlorsulfuron	0.01
Chlorthal-dimethyl (Dacthal)	0.01
Chlorthion	0.02
Chlorthiophos	0.01
Clethodim	0.01
Clethodim sulfone	0.01
Clethodim sulfoxide	0.01
Clofentezine	0.01
Clomazone	0.01
Clopyralid	0.01
Clothianidin	0.01
Coumaphos	0.01
Crotoxyphos	0.01
Cyanazine	0.01
Cyanofenphos	0.01
Cyanophos	0.04
Cyantraniliprole	0.01
Cyazofamid	0.01
Cycloate	0.01
Cycloxydim	0.01
Cyfluthrin	0.03
Cyhalothrin, lambda	0.01
Cymoxanil	0.01

Analyte	LOQ (mg/kg)
Cypermethrin	0.01
Cyprodinil	0.01
Cyromazine	0.01
DCPMU	0.01
DDD, o,p'-	0.01
DDD, p,p'-	0.01
DDE, o,p'-	0.01
DDE, p,p'-	0.01
DDT, o,p'-	0.01
DDT, p,p'-	0.01
DEF (Tribufos)	0.01
Deltamethrin	0.01
Demeton-S	0.02
Demeton-S methyl-sulfone	0.02
Demeton-s-methyl	0.02
Desmedipham	0.01
Diallate	0.01
Diazinon	0.01
Diazoxon	0.01
Dicamba (Banvel)	0.01
Dichlobenil	0.01
Dichlofenthion	0.01
Dichlofluanid	0.01
Dichlorobenzamide	0.01
Dichlorvos	0.01
Diclobutrazol	0.01
Diclofop (acid)	0.01
Diclofop-methyl	0.01
Dicloran	0.04
Dicofol, p,p'-/o,p'-	0.02
Dicrotophos	0.01
Dieldrin	0.01
Diethofencarb	0.01
Diethyltoluamide (DEET)	0.01
Difenoconazole	0.01
Diflubenzuron	0.01
Diflufenzopyr	0.01
Dimethenamid	0.01
Dimethoate	0.01
Dimethomorph	0.01
Diniconazole	0.01
Dinocap	0.01
Dinoseb (Dinitro)	0.01
Dinotefuran	0.01
Dioxathion	0.01
Diphenamid	0.01
Diphenylamine (DPA)	0.01
Disulfoton	0.02
Disulfoton sulfone	0.01
Disulfoton sulfoxide	0.01
Dithianon	0.01
Dithiopyr	0.01
Diuron	0.01
DNOC	0.01

LOQ= Limit of Quantitation
 mg/kg= milligram per kilogram (ppm)

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P2220 Multi-Residue Pesticide Profile

Analyte	LOQ (mg/kg)
Edifenphos	0.01
Endosulfan (α isomer)	0.02
Endosulfan (β isomer)	0.02
Endosulfan sulfate	0.01
Endrin	0.02
Endrin aldehyde	0.02
EPN	0.01
EPTC	0.01
Esfenvalerate/Fenvalerate	0.02
Etaconazole	0.01
Ethaboxam	0.01
Ethalfuralin	0.01
Ethiofencarb	0.01
Ethion	0.01
Ethirimol	0.01
Ethofumesate	0.01
Ethoprophos	0.01
Ethoxyquin	0.01
Etofenprox	0.01
Etoxazole	0.01
Etridiazole	0.01
Etrimfos	0.01
Famoxadone	0.02
Famphur	0.01
Fenamidone	0.01
Fenamiphos	0.01
Fenamiphos Sulfone	0.01
Fenamiphos Sulfoxide	0.01
Fenarimol	0.01
Fenazaquin	0.01
Fenbuconazole	0.01
Fenbutatin oxide	0.01
Fenchlorphos	0.01
Fenhexamid	0.01
Fenitrothion	0.01
Fenobucarb (Baycarb)	0.01
Fenoxaprop-P-Ethyl	0.01
Fenoxycarb	0.01
Fenproprathrin	0.01
Fenpyroximate	0.01
Fenson	0.02
Fensulfthion	0.01
Fenthion	0.01
Fenuron	0.01
Fipronil	0.01
Flonicamid	0.01
Fluazifop	0.01
Fluazinam	0.01
Fluchloralin	0.01
Flucythrinate	0.03
Fludioxonil	0.01
Flufenacet	0.01
Flumioxazin	0.01
Fluometuron	0.01

Analyte	LOQ (mg/kg)
Fluopicolide	0.01
Fluopyram	0.01
Fluoxastrobin	0.01
Flupyradifurone	0.01
Fluprimidol	0.01
Fluridone	0.01
Fluroxypyr (free acid)	0.01
Flusilazol	0.01
Fluthiacet Methyl	0.01
Flutolanil	0.01
Flutriafol	0.01
Fluvalinate -tau	0.01
Fluxapyroxad	0.01
Folpet	0.02
Fomesafen	0.01
Fonofos	0.01
Foramsulfuron	0.01
Forchlorfenuron	0.01
Formetanate	0.01
Furathiocarb	0.01
Halosulfuron-methyl	0.01
Haloxyfop (free acid)	0.01
Heptachlor	0.01
Heptachlor epoxide	0.01
Hexachlorobenzene (HCB)	0.01
Hexaconazole	0.01
Hexazinone (Velpar)	0.01
Hexythiazox	0.01
Hydroprene	0.01
Imazalil	0.01
Imazamox	0.01
Imazapic	0.01
Imazapyr	0.01
Imazaquin	0.01
Imazethapyr	0.01
Imidacloprid	0.01
Imidoxone (Phosmet-Oxon)	0.01
Indaziflam	0.01
Indoxacarb	0.01
Iprobenfos	0.01
Iprodione	0.02
Isazophos	0.01
Isobenzan	0.01
Isocarbophos	0.01
Isodrin	0.01
Isofenphos	0.01
Isofenphos-methyl	0.01
Isofenphos-OA	0.01
Isoprocarb	0.01
Isopropalin	0.01
Isoprothiolane	0.01
Isoproturon	0.01
Isoxaben	0.01
Isoxaflutole	0.01

Analyte	LOQ (mg/kg)
Kresoxim-methyl	0.01
Lactofen	0.02
Lenacil	0.01
Lindane	0.01
Linuron	0.01
Malaoxon (Malathion-o-analog)	0.01
Malathion	0.01
Mandipropamid	0.01
MCPA	0.01
MCPB	0.01
MCPP (Mecoprop)	0.01
Mecarbam	0.01
Mefenrillfluconazole	0.01
Mepanipyrim	0.01
Mesosulfuron Methyl	0.01
Mesotrione	0.01
Metalaxyl/Mefenoxam	0.01
Metconazole	0.01
Methacrifos	0.01
Methamidophos	0.01
Methidathion	0.01
Methiocarb	0.01
Methiocarb sulfone	0.01
Methiocarb sulfoxide	0.01
Methomyl	0.01
Methoxychlor	0.01
Methoxyfenozide	0.01
Metobromuron	0.01
Metolachlor	0.01
Metolcarb	0.01
Metrafenone	0.01
Metribuzin	0.01
Metsulfuron-methyl	0.01
Mevinphos	0.01
Mexacarbate	0.01
MGK-264	0.01
Mirex	0.01
Molinate	0.01
Monocrotophos	0.01
Monolinuron	0.01
Myclobutanil	0.01
Naled	0.01
Napropamide	0.01
Neburon	0.01
Nicosulfuron	0.01
Nitrapyrin	0.02
Nitrofen	0.02
Norflurazon	0.01
Novaluron	0.01
Nuarimol	0.02
Omethoate	0.01
O-Phenylphenol	0.01
Oryzalin	0.01
Oxadiazon	0.01

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Analyte	LOQ (mg/kg)
Oxadixyl	0.01
Oxamyl	0.01
Oxamyl-oxime	0.01
Oxathiapiprolin	0.01
Oxychlorane	0.01
Oxydemeton-Methyl	0.01
Oxyfluorfen	0.01
Oxythioquinox	0.02
Pacllobutrazol	0.01
Paraoxon-ethyl	0.01
Paraoxon-methyl	0.01
Parathion-ethyl	0.01
Parathion-methyl	0.03
PCP (Pentachlorophenol)	0.01
Penconazole	0.01
Pendimethalin	0.01
Penflufen	0.01
Pentachloroaniline (PCA)	0.01
Pentachloroanisole	0.01
Pentachlorobenzene (PCB)	0.01
Pentachlorothioanisole (PCTA)	0.03
Penthiopyrad	0.01
Permethrin	0.01
Perthane	0.01
Phenmedipham	0.01
Phenothrin	0.01
Phenthoate	0.01
Phorate	0.01
Phorate OA	0.01
Phorate Sulfone	0.01
Phorate Sulfoxide	0.01
Phosalone	0.01
Phosmet	0.01
Phosphamidon	0.01
Phoxim	0.01
Phthalimide	0.02
Picloram	0.01
Pinoxaden	0.01
Piperonyl Butoxide	0.01
Pirimicarb	0.01
Pirimiphos-Ethyl	0.01
Pirimiphos-Methyl	0.01
Pirimisulfuron-Methyl	0.01
Prallethrin	0.01
Prochloraz	0.01
Procymidone	0.01
Prodiamine	0.01
Profenofos	0.01
Profluralin	0.01
Promecarb	0.01
Prometon	0.01
Prometryne	0.01
Pronamide (Propyzamide)	0.01
Propachlor	0.01

Analyte	LOQ (mg/kg)
Propamocarb	0.01
Propanil	0.01
Propargite	0.01
Propazine	0.01
Propetamphos	0.01
Propam	0.01
Propiconazole	0.01
Propoxur	0.01
Propoxycarbazone sodium	0.01
Prosulfuron	0.01
Prothioconazole	0.01
Prothiofos	0.01
Pydiflumetofen	0.01
Pymetrozine	0.01
Pyraclostrobin	0.01
Pyraflufen-ethyl	0.01
Pyrazophos	0.01
Pyrethrins	0.01
Pyridaben	0.01
Pyridate	0.01
Pyrifluquinazon	0.01
Pyrimethanil	0.01
Pyriproxifen	0.01
Pyroxasulfone	0.01
Pyrosulam	0.01
Quinalphos	0.01
Quinclorac	0.01
Quinoxifen	0.01
Quintozene(PCNB)	0.01
Quizalofop (free acid)	0.01
Resmethrin	0.01
Rimsulfuron	0.01
Rotenone	0.01
S-421	0.01
Saflufenacil	0.01
Sebutylazine	0.01
Sedaxane	0.01
Sethoxydim	0.01
Simazine	0.01
Simetryn	0.01
Spinetoram	0.01
Spinosad (α , β isomers)	0.01
Spirodiclofen	0.01
Spiromesifen	0.01
Spirotetramat	0.01
Spirotetramat-enol	0.01
Spiroxamine	0.01
Sulfallate	0.01
Sulfentrazone	0.03
Sulfometuron-methyl	0.01
Sulfosulfuron	0.01
Sulfotep	0.01
Sulfoxaflor	0.01
Sulprofos	0.01

Analyte	LOQ (mg/kg)
Tebuconazole	0.01
Tebufenozide	0.01
Tebuthiuron	0.01
Tecnazene	0.01
Tefluthrin	0.01
Tembotrione	0.01
Terbacil	0.04
Terbufos	0.01
Terbufos sulfone	0.01
Terbufos sulfoxide	0.01
Terbutylazine	0.01
Terbutryn	0.01
Tertrachlorvinphos	0.01
Tetraconazole	0.01
Tetradifon	0.01
Tetramethrin	0.01
Tetrasul	0.01
Thiabendazole	0.01
Thiabendazole, 5-hydroxy	0.01
Thiacloprid	0.01
Thiamethoxam	0.01
Thifensulfuron-methyl	0.01
Thiobencarb (benthiocarb)	0.01
Thiodicarb	0.01
Thiometon	0.02
Thionazin	0.01
Thiophanate-methyl	0.01
Tolclofos-methyl	0.01
Tolfenpyrad	0.01
Tolyfluanid	0.01
Topramezone	0.01
Tralkoxydim	0.01
Triadimefon	0.01
Triadimenol	0.01
Tri-allate	0.01
Triasulfuron	0.01
Triazophos	0.01
Tribenuron-methyl	0.01
Trichlorfon	0.01
Triclopyr	0.02
Trifloxystrobin	0.01
Trifloxysulfuron -sodium	0.01
Triflumizole	0.01
Trifluralin	0.01
Triflurosulfuron-methyl	0.01
Triforin	0.01
Trinexapac (acid)	0.01
Trinexapac Ethyl	0.01
Triticonazole	0.01
Vinclozolin	0.01
Zoxamide	0.01

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Updated: 12.29.2022