



USDA AMS S&T LATD
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Report of Analytical Test Results

Original Report

Laboratory Identifier:
AY04839

Applicant	Product Identity	Laboratory Information
Kentucky Dept. of Agriculture 111 Corporate Dr. Frankfort, KY 40601	Applicant Identifier: 2024-104 Sample Description: Organic corn P.O.#:	Date Received: 11/22/2024 Date Completed: 12/18/2024 Date Issued: 12/18/2024 Methods: MET-101

Pesticide Residue	Result PPM	LOD PPM	Pesticide Residue	Result PPM	LOD PPM
GC-MS			Tetradifon	N.D.	0.030
Aldrin	N.D.	0.250	Tetramethrin total	N.D.	0.050
Allethrin	N.D.	0.075	Triadimefon	N.D.	0.025
Azinphos methyl	N.D.	0.150	Tribufos	N.D.	0.050
Azoxystrobin	N.D.	0.005	Trifloxystrobin	N.D.	0.050
BHC alpha	N.D.	0.020	Triflumizole	N.D.	0.075
Bifenthrin	N.D.	0.050	Trifluralin	N.D.	0.010
Captan	N.D.	0.200	Vinclozolin	N.D.	0.010
Carfentrazone ethyl	N.D.	0.030			
Chlorfenapyr	N.D.	0.030	GC-MS/MS		
Chlorothalonil	N.D.	0.200	1-Naphthol	N.D.	0.500
Chlorpyrifos	N.D.	0.030	Bifenazate	N.D.	0.500
Chlorpyrifos methyl	N.D.	0.010	Boscalid	N.D.	0.200
Cyfluthrin total	N.D.	0.010	Buprofezin	N.D.	1.00
Cyhalothrin lambda	N.D.	0.005	Chlordane cis	N.D.	0.005
Cypermethrin total	N.D.	0.015	Chlordane trans	N.D.	0.025
Deltamethrin	N.D.	0.175	Chlorpropham (CIPC)	N.D.	1.00
Dicloran	N.D.	0.030	Chlorthal (DCPA)	N.D.	0.100
Dicofol o,p	N.D.	0.100	DDD o,p	N.D.	0.050
Dicofol p,p	N.D.	0.030	DDD p,p	N.D.	0.050
Dieldrin	N.D.	0.025	DDE o,p	N.D.	0.050
Endosulfan I	N.D.	0.025	DDE p,p	N.D.	0.050
Endosulfan II	N.D.	0.020	DDT p,p	N.D.	0.050
Endosulfan sulfate	N.D.	0.005	Diphenylamine	N.D.	0.200
Endrin	N.D.	0.100	Ethion	N.D.	0.500
Esfenvalerate total	N.D.	0.020	Etridiazole	N.D.	1.00
Fenarimol	N.D.	0.050	Famoxadone	N.D.	0.250
Fenhexamid	N.D.	0.015	Fenamidone	N.D.	0.200
Fenpropathrin	N.D.	0.075	Fenoxaprop ethyl	N.D.	0.300
Fluvalinate total	N.D.	0.015	Fenthion	N.D.	0.500
Folpet	N.D.	0.200	Fipronil	N.D.	0.100
Heptachlor	N.D.	0.020	Fluridone	N.D.	0.300
Heptachlor epoxide	N.D.	0.025	Flutolanil	N.D.	0.150
Hexachlorobenzene	N.D.	0.010	Fonofos	N.D.	1.00
Lindane	N.D.	0.040	Hydroprene	N.D.	0.500
Metribuzin	N.D.	0.030	Iprodione	N.D.	0.200
Nonachlor cis	N.D.	0.050	Methoxychlor	N.D.	1.00
Nonachlor trans	N.D.	0.050	Metolachlor	N.D.	0.300
Oxyfluorfen	N.D.	0.030	MGK 264 total	N.D.	0.100
Parathion methyl	N.D.	0.020	o-Phenylphenol	N.D.	0.500
Pendimethalin	N.D.	0.015	Piperonyl butoxide	N.D.	0.500
Pentachlorobenzene	N.D.	0.010	Pirimiphos methyl	N.D.	0.020
Permethrin total	N.D.	0.050	Propanil	N.D.	0.500
Prallethrin	N.D.	0.100	Propargite	N.D.	0.150
Profenofos	N.D.	0.075	Propetamphos	N.D.	0.200
Pronamide	N.D.	0.030	Propham	N.A.	0.300
Quintozene	N.D.	0.010	Quinoxifen	N.D.	0.200
Spirodiclofen	N.D.	0.040	Resmethrin total	N.A.	0.500
Tefluthrin	N.D.	0.010	Spiromesifen	N.D.	0.500

Pesticide Residue	Result PPM	LOD PPM	Pesticide Residue	Result PPM	LOD PPM
Tetrachlorvinphos	N.D.	0.500	Methomyl	N.D.	0.050
Tetrahydrophthalimide (THPI)	N.D.	0.500	Methoxyfenozide	N.D.	0.050
LC-MS/MS			Mevinphos total	N.D.	0.050
2,4 Dimethylphenyl formamide (DMPF)	N.D.	0.050	Myclobutanil	N.D.	0.100
3-Hydroxycarbofuran	N.D.	0.200	Naled	N.D.	0.100
5-Hydroxythiabendazole	N.D.	0.250	Napropamide	N.D.	0.125
Acephate	N.D.	0.250	Norflurazon	N.D.	0.050
Acetamiprid	N.D.	0.030	Norflurazon desmethyl	N.D.	0.250
Acetochlor	N.D.	0.150	Omethoate	N.D.	0.125
Aldicarb	N.D.	0.030	Oxadixyl	N.D.	0.100
Aldicarb sulfone	N.D.	0.030	Oxamyl	N.D.	0.030
Aldicarb sulfoxide	N.D.	0.100	Oxamyl oxime	N.D.	0.125
Atrazine	N.D.	0.050	Oxydemeton methyl sulfone	N.D.	0.050
Bendiocarb	N.D.	0.050	Phenmedipham	N.D.	0.250
Biteranol	N.D.	0.125	Phorate sulfone	N.D.	0.125
Bromacil	N.D.	0.125	Phorate sulfoxide	N.D.	0.125
Carbaryl	N.D.	0.150	Phosalone	N.D.	0.125
Carbendazim (MBC)	N.D.	0.030	Phosmet	N.D.	0.125
Carbofuran	N.D.	0.050	Pirimicarb	N.D.	0.050
Chlorantraniliprole	N.D.	0.150	Prochloraz	N.D.	0.125
Clofentezine	N.D.	0.100	Procymidone	N.A.	0.500
Clothianidin	N.D.	0.030	Prometryn	N.D.	0.025
Coumaphos	N.D.	0.030	Propiconazole	N.D.	0.250
Cyazofamid	N.D.	0.030	Pymetrozine	N.D.	0.100
Cycloate	N.D.	0.125	Pyraclostrobin	N.D.	0.100
Cyprodinil	N.D.	0.050	Pyridaben	N.D.	0.050
Cyromazine	N.D.	0.250	Pyrimethanil	N.D.	0.100
Diazinon	N.D.	0.060	Pyriproxyfen	N.D.	0.050
Diazinon oxygen analog	N.D.	0.050	Simazine	N.D.	0.250
Dichlorvos (DDVP)	N.D.	0.100	Spinetoram	N.D.	0.050
Difenoconazole	N.D.	0.250	Sulfentrazone	N.D.	1.250
Diflubenzuron	N.D.	0.100	Tebuconazole	N.D.	0.050
Dimethoate	N.D.	0.125	Tebufenozide	N.D.	0.050
Dimethomorph	N.D.	0.250	Tetraconazole	N.D.	0.050
Dinotefuran	N.D.	0.150	Thiabendazole	N.D.	0.030
Diphenamid	N.D.	0.100	Thiacloprid	N.D.	0.010
Disulfoton sulfone	N.D.	0.125	Thiamethoxam	N.D.	0.020
Diuron	N.D.	0.125	Thiodicarb	N.D.	0.030
Epoxiconazole	N.D.	0.030	Triadimenol	N.D.	0.250
Ethoprop	N.D.	0.250			
Ethoxyquin	N.D.	0.250			
Etoxazole	N.D.	0.005			
Fenamiphos	N.D.	0.025			
Fenamiphos sulfone	N.D.	0.050			
Fenamiphos sulfoxide	N.D.	0.125			
Fenbuconazole	N.D.	0.050			
Fenpyroximate	N.D.	0.020			
Flonicamid	N.D.	0.050			
Fludioxonil	N.A.	0.100			
Fluoxastrobin	N.D.	0.030			
Hexaconazole	N.D.	0.125			
Hexythiazox	N.D.	0.150			
Imazalil	N.A.	0.100			
Imidacloprid	N.D.	0.005			
Indoxacarb	N.D.	0.030			
Linuron	N.D.	0.100			
Malathion	N.D.	0.050			
Malathion oxygen analog	N.D.	0.050			
Metalaxyl	N.D.	0.020			
Methamidophos	N.D.	0.050			
Methidathion	N.D.	0.125			
Methiocarb	N.D.	0.150			

LOD - Limit of Detection, N.A. - Not Analyzed, N.D. - Not Detected.

Comments:

The following compounds did not fully meet the laboratory's validation criteria and are considered marginal or unvalidated: Bifenazate, Chlorothalonil, DDD, o,p'-, diazinon oxon, Dicofol p,p', Fonofos, Hexachlorobenzene, Hydroprene, Iprodione, Methoxychlor, Metolachlor, Piperonyl butoxide, Resmethrin, Tetrachlorvinphos, Cyromazine, and ethoxyquin.

Signature of Approving Official:



Ross Simmons, Chemistry Supervisor

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