



This report cannot be used for OHA or OLCC compliance requirements.

Customer: Zelios

Product identity: 2-4-4
Client/Metric ID: .
Sample Date: 09/20/18 09:55
Laboratory ID: 18-008111-0001

Weight Received: 1 g

Sample Results

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1805674 Analyze 09/24/18 10:53 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.100	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (incl.	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



This report cannot be used for OHA or OLCC compliance requirements.

Pesticides											Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg		Batch 1805674		Analyze 09/24/18 10:53 AM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes											
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass												
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass												
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass												
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass												
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass												
Oxamyl	< LOQ	1.0	0.500	pass		Paclotrazole	< LOQ	0.40	0.200	pass												
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass												
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass												
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass												
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrins	< LOQ	1.0	0.500	pass												
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass												
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass												
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass												
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass												
Trifloxystrobin	< LOQ	0.20	0.100	pass																		



This report cannot be used for OHA or OLCC compliance requirements.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

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.

Units of Measure

g = Gram

mg/kg = Milligram per kilogram

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



This report cannot be used for OHA or OLCC compliance requirements.

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 1805674				
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		0.869	1.000	86.9	70 - 130	
Acequinocyl	ND	< 1.000		4.500	4.000	112.5	70 - 130	
Acetamiprid	ND	< 0.100		0.396	0.400	99.0	70 - 130	
Aldicarb	ND	< 0.200		0.764	0.800	95.5	70 - 130	
Abamectin	ND	< 0.288		1.010	1.000	101.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.409	0.400	102.3	70 - 130	
Bifenazate	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Bifenthrin	ND	< 0.100		0.429	0.400	107.3	70 - 130	
Boscalid	ND	< 0.100		0.785	0.800	98.1	70 - 130	
Carbaryl	ND	< 0.100		0.415	0.400	103.8	70 - 130	
Carbofuran	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.411	0.400	102.8	70 - 130	
Chlorfenapyr	ND	< 1.000		1.870	2.000	93.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Clofentezine	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Cyfluthrin	ND	< 1.000		1.840	2.000	92.0	30 - 150	
Cypermethrin	ND	< 1.000		2.120	2.000	106.0	70 - 130	
Daminozide	ND	< 1.000		1.980	2.000	99.0	30 - 150	
Diazinon	ND	< 0.100		0.422	0.400	105.5	70 - 130	
Dichlorvos	ND	< 0.500		2.040	2.000	102.0	70 - 130	
Dimethoat	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Ethoprophos	ND	< 0.100		0.417	0.400	104.3	70 - 130	
Etofenprox	ND	< 0.100		0.802	0.800	100.3	70 - 130	
Etoxazol	ND	< 0.100		0.436	0.400	109.0	70 - 130	
Fenoxycarb	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Fenpyroximat	ND	< 0.100		1.080	0.800	135.0	70 - 130	Q1
Fipronil	ND	< 0.100		0.805	0.800	100.6	70 - 130	
Fonicamid	ND	< 0.400		1.040	1.000	104.0	70 - 130	
Fludioxonil	ND	< 0.100		0.776	0.800	97.0	70 - 130	
Hexythiazox	ND	< 0.400		1.040	1.000	104.0	70 - 130	
Imazalil	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Imidacloprid	ND	< 0.200		0.823	0.800	102.9	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.831	0.800	103.9	70 - 130	
Malathion	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Metalaxyl	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Methiocarb	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Methomyl	ND	< 0.200		0.790	0.800	98.8	70 - 130	
MGK 264	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Myclobutanil	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Naled	ND	< 0.200		0.995	1.000	99.5	70 - 130	
Oxamyl	ND	< 0.400		1.930	2.000	96.5	70 - 130	
Paclobutrazol	ND	< 0.200		0.788	0.800	98.5	70 - 130	
Parathion Methyl	ND	< 0.200		0.691	0.800	86.4	30 - 150	
Permethrin	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Phosmet	ND	< 0.100		0.398	0.400	99.5	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.150	2.000	107.5	70 - 130	
Prallethrin	ND	< 0.200		0.676	0.829	81.6	70 - 130	
Propiconazole	ND	< 0.200		0.770	0.800	96.3	70 - 130	
Propoxur	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Pyrethrins	ND	< 0.500		0.448	0.400	112.0	70 - 130	
Pyridaben	ND	< 0.100		0.411	0.400	102.8	70 - 130	
Spinosad	ND	< 0.100		0.401	0.388	103.4	70 - 130	
Spiromesifen	ND	< 0.100		0.396	0.400	99.0	70 - 130	
Spirotetramat	ND	< 0.100		0.410	0.400	102.5	70 - 130	
Spiroxamine	ND	< 0.100		0.794	0.800	99.3	70 - 130	
Tebuconazol	ND	< 0.200		0.806	0.800	100.8	70 - 130	
Thiacloprid	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Trifloxystrobin	ND	< 0.100		0.428	0.400	107.0	70 - 130	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



This report cannot be used for OHA or OLCC compliance requirements.

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID: 1805674				
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 18-008139-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes	
Acephate	0.000	0.781	0.714	1.000	9.0	< 30	78.1	71.4	50 - 150	
Acequinocyl	0.000	4.690	4.520	4.000	3.7	< 30	117.3	113.0	50 - 150	
Acetamiprid	0.000	0.402	0.383	0.400	4.8	< 30	100.5	95.8	50 - 150	
Aldicarb	0.000	0.779	0.738	0.800	5.4	< 30	97.4	92.3	50 - 150	
Abamectin	0.000	1.220	1.170	1.000	4.2	< 30	122.0	117.0	50 - 150	
Azoxystrobin	0.001	0.281	0.267	0.400	5.1	< 30	70.1	66.6	50 - 150	
Bifenazate	0.000	0.394	0.386	0.400	2.1	< 30	98.5	96.5	50 - 150	
Bifenthrin	0.002	0.966	0.889	0.400	8.3	< 30	241.0	221.7	50 - 150	Q1
Boscalid	0.000	0.698	0.811	0.800	15.0	< 30	87.3	101.4	50 - 150	
Carbaryl	0.000	0.395	0.369	0.400	6.8	< 30	98.8	92.3	50 - 150	
Carbofuran	0.019	0.380	0.360	0.400	5.4	< 30	90.3	85.3	50 - 150	
Chlorantraniliprol	0.000	0.387	0.412	0.400	6.3	< 30	96.8	103.0	50 - 150	
Chlorfenapyr	0.499	3.620	3.680	2.000	1.6	< 30	156.1	159.1	50 - 150	Q1
Chlorpyrifos	0.000	0.349	0.327	0.400	6.5	< 30	87.3	81.8	50 - 150	
Clofentezine	0.006	0.402	0.408	0.400	1.5	< 30	99.0	100.5	50 - 150	
Cyfluthrin	0.000	2.830	2.670	2.000	5.8	< 30	141.5	133.5	30 - 150	
Cypermethrin	1.490	3.680	3.580	2.000	2.8	< 30	109.5	104.5	50 - 150	
Daminozide	0.000	1.950	1.900	2.000	2.6	< 30	97.5	95.0	30 - 150	
Diazinon	0.001	0.420	0.402	0.400	4.4	< 30	104.9	100.4	50 - 150	
Dichlorvos	0.092	1.750	1.810	2.000	3.4	< 30	82.9	85.9	50 - 150	
Dimethoat	0.000	0.394	0.389	0.400	1.3	< 30	98.5	97.3	50 - 150	
Ethoprophos	0.000	0.409	0.402	0.400	1.7	< 30	102.3	100.5	50 - 150	
Etofenprox	0.034	0.770	0.703	0.800	9.1	< 30	92.1	83.7	50 - 150	
Etoxazol	0.000	0.460	0.437	0.400	5.1	< 30	115.0	109.3	50 - 150	
Fenoxycarb	0.000	0.369	0.373	0.400	1.1	< 30	92.1	93.1	50 - 150	
Fenpyroximat	0.000	1.320	1.330	0.800	0.8	< 30	165.0	166.3	50 - 150	Q1
Fipronil	0.000	0.669	0.619	0.800	7.8	< 30	83.6	77.4	50 - 150	
Flonicamid	0.000	0.985	0.905	1.000	8.5	< 30	98.5	90.5	50 - 150	
Fludioxonil	0.000	0.771	0.884	0.800	13.7	< 30	96.4	110.5	50 - 150	
Hexythiazox	0.058	0.798	0.730	1.000	8.9	< 30	74.0	67.2	50 - 150	
Imazalil	0.011	0.412	0.391	0.400	5.2	< 30	100.2	94.9	50 - 150	
Imidacloprid	0.000	0.890	0.939	0.800	5.4	< 30	111.3	117.4	50 - 150	
Kresoxim-Methyl	0.019	0.925	0.953	0.800	3.0	< 30	113.3	116.8	50 - 150	
Malathion	0.000	0.413	0.391	0.400	5.5	< 30	103.3	97.8	50 - 150	
Metalaxyl	0.000	0.421	0.396	0.400	6.1	< 30	105.3	99.0	50 - 150	
Methiocarb	0.000	0.371	0.375	0.400	1.1	< 30	92.8	93.8	50 - 150	
Methomyl	0.000	0.790	0.755	0.800	4.5	< 30	98.8	94.4	50 - 150	
MGK 264	0.000	0.457	0.433	0.400	5.4	< 30	114.3	108.3	50 - 150	
Myclobutanil	0.000	0.378	0.396	0.400	4.7	< 30	94.5	99.0	50 - 150	
Naled	0.030	0.944	0.917	1.000	2.9	< 30	91.4	88.7	50 - 150	
Oxamyl	0.000	2.040	1.670	2.000	19.9	< 30	102.0	83.5	50 - 150	
Paclobutrazol	0.020	0.737	0.724	0.800	1.8	< 30	89.7	88.1	50 - 150	
Parathion Methyl	0.000	0.594	0.561	0.800	5.7	< 30	74.3	70.1	30 - 150	
Permethrin	0.012	0.445	0.409	0.400	8.4	< 30	108.3	99.3	50 - 150	
Phosmet	0.000	0.408	0.379	0.400	7.4	< 30	102.0	94.8	50 - 150	
Piperonyl butoxide	0.000	2.760	2.600	2.000	6.0	< 30	138.0	130.0	50 - 150	
Prallethrin	0.000	0.626	0.724	0.829	14.5	< 30	75.5	87.4	50 - 150	
Propiconazole	0.006	0.778	0.739	0.800	5.1	< 30	96.5	91.6	50 - 150	
Propoxur	0.000	0.403	0.394	0.400	2.3	< 30	100.8	98.5	50 - 150	
Pyrethrins	0.006	0.423	0.397	0.400	6.3	< 30	104.3	97.8	50 - 150	
Pyridaben	0.000	0.307	0.279	0.400	9.6	< 30	76.8	69.8	50 - 150	
Spinosad	0.000	0.436	0.419	0.388	4.0	< 30	112.4	108.0	50 - 150	
Spiromesifen	0.000	0.235	0.224	0.400	4.8	< 30	58.8	56.0	50 - 150	
Spirotetramat	0.000	0.336	0.326	0.400	3.0	< 30	84.0	81.5	50 - 150	
Spiroxamine	0.045	0.804	0.782	0.800	2.8	< 30	94.9	92.1	50 - 150	
Tebuconazol	0.045	0.806	0.742	0.800	8.3	< 30	95.2	87.2	50 - 150	
Thiacloprid	0.000	0.408	0.397	0.400	2.7	< 30	102.0	99.3	50 - 150	
Thiamethoxam	0.000	0.412	0.389	0.400	5.7	< 30	103.0	97.3	50 - 150	
Trifloxystrobin	0.000	0.369	0.351	0.400	3.3	< 30	92.3	87.8	50 - 150	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



This report cannot be used for OHA or OLCC compliance requirements.

Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.