

TB-32

Danodan Hempworks
 6019 NE MLK JR. BLVD.
 PORTLAND, OR 97217
 (503) 290-4079

Sample Type: Tinctures
 Sample Date: 3/1/2021
 Analysis Date: 3/8/2021
 Report Date: 3/9/2021

Metric Batch ID:
 Metric Sample ID:

Harvest/Process Date: 12/22/2020
 Report ID: LS-210309-7
 Sample Plan ID: SP-210301-1-A
 Sample Procedure: 160721_LAB-SOP_SampleCollection-v008

Potency

Potency Analysis Date: 3/8/2021
 Potency Batch ID: CAN_030821C
 Potency Method: JAOAC 2015.1

3.40 mg/mL Total CBD
 0.299%

ND Total THC
 ND

Samples: PWB-PBG-CNF, ZFR-MBP-WNC



Analyte	Description	LOQ	RPD (%)	Min.	Max.	Avg.	Unit: mg/mL
Δ9THC	Delta-9 Tetrahydrocannabinol	0.0057	0.00	ND	ND	ND	
THCA	Tetrahydrocannabinolic acid	0.0057	0.00	ND	ND	ND	
CBD	Cannabidiol	0.0057	1.46	2.94	2.99	2.97	
CBDA	Cannabidiolic acid	0.0057	1.63	0.484	0.492	0.489	
Δ8THC	Delta-8 Tetrahydrocannabinol*	0.0057	0.00	ND	ND	ND	
THCV	Tetrahydrocannabivarin*	0.0057	0.00	ND	ND	ND	
CBG	Cannabigerol*	0.0057	0.00	ND	ND	ND	
CBGA	Cannabigerolic acid*	0.0057	0.00	ND	ND	ND	
CBC	Cannabichromene*	0.0057	0.00	ND	ND	ND	
CBCA	Cannabichromenic acid*	0.0057	0.00	ND	ND	ND	
CBN	Cannabinol	0.0057	0.00	ND	ND	ND	
Total THC	Δ9THC + (THCA × 0.877)		0.00	ND	ND	ND	
Total CBD	CBD + (CBDA × 0.877)		1.48	3.38	3.42	3.40	
Total			1.48	3.43	3.48	3.46	

Compliance

Potency Within limits Analysis Date: 3/8/2021 Pass 


 Bryce Kidd, Ph.D.
 Lab Director


 Aaron Troyer
 Chief Science Officer



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SOP_SampleCollection-v008

Qualifier Flag Descriptions

J	Reported result is an estimate - the value is less than the minimum calibration level but greater than the estimated detection limit (EDL)
U	The analyte was not detected in the sample at the estimated detection limit (EDL)
E	Exceeds calibration range
D	Dilution data - result was obtained from the analysis of a dilution
B	Analyte found in sample and associated blank
C	Co-eluting compound
R	Relative Percent Difference (RPD) outside control limits
NR	Analyte not reported because of problems in sample preparation or analysis
ND	Non-Detect
X	Results from reinjection/repeat/re-column data
EMC	Estimated maximum possible concentration - indicates that a peak is detected but did not meet the method required criteria
M	Manual integration
PS	Peaks split
HB	Control acceptance criteria are exceeded high and the associated sample is below the detection limit
LB	Control acceptance criteria are exceeded low and the associated sample exceeds the regulatory limit
ME	Marginal Exceedance
LR	Low Recovery Analyte
LOQ	Limit of Quantitation

Sample Name: **PWB-PBG-CNF** License: **010-1003340D344**
 Tested for: **Lightscale Labs** Date Sampled: **03/01/21 00:00**
Compliance Subcon - Extract Date Accepted: **03/01/21**

Laboratory ID: **21C0016-01** Sample Metrc ID: **NA**
 Matrix: **Other Liquid** Batch RFID: **NA**
 Lot # **NA** Batch Size: **NA**

Pesticide Analysis in ppm

Date Extracted: 03/05/21 Analysis Method: AOAC 2007.01 & EN 15662
 Date Analyzed: 03/05/21 Results above the action levels are highlighted in red #.

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.24	Acephate	< LOQ	0.4	0.19
Acequinocyl	< LOQ	2	0.95	Acetamiprid	< LOQ	0.2	0.10
Aldicarb	< LOQ	0.4	0.19	Azoxystrobin	< LOQ	0.2	0.10
Bifenazate	< LOQ	0.2	0.10	Bifenthrin	< LOQ	0.2	0.10
Boscalid	< LOQ	0.4	0.19	Carbaryl	< LOQ	0.2	0.10
Carbofuran	< LOQ	0.2	0.10	Chlorantraniliprole	< LOQ	0.2	0.10
Chlorfenapyr	< LOQ	1	0.48	Chlorpyrifos	< LOQ	0.2	0.10
Clofentezine	< LOQ	0.2	0.10	Cyfluthrin	< LOQ	1	0.48
Cypermethrin	< LOQ	1	0.48	Daminozide	< LOQ	1	0.48
DDVP (Dichlorvos)	< LOQ	1	0.48	Diazinon	< LOQ	0.2	0.10
Dimethoate	< LOQ	0.2	0.10	Ethoprophos	< LOQ	0.2	0.10
Etofenprox	< LOQ	0.4	0.19	Etoxazole	< LOQ	0.2	0.10
Fenoxycarb	< LOQ	0.2	0.10	Fenpyroximate	< LOQ	0.4	0.19
Fipronil	< LOQ	0.4	0.19	Fonicamid	< LOQ	1	0.48
Fludioxonil	< LOQ	0.4	0.19	Hexythiazox	< LOQ	1	0.48
Imazalil	< LOQ	0.2	0.10	Imidacloprid	< LOQ	0.4	0.19
Kresoxim-methyl	< LOQ	0.4	0.19	Malathion	< LOQ	0.2	0.10
Metalaxyl	< LOQ	0.2	0.10	Methiocarb	< LOQ	0.2	0.10
Methomyl	< LOQ	0.4	0.19	Methyl parathion	< LOQ	0.2	0.10
MGK-264	< LOQ	0.2	0.10	Myclobutanil	< LOQ	0.2	0.10
Naled	< LOQ	0.5	0.24	Oxamyl	< LOQ	1	0.48
Paclobutrazol	< LOQ	0.4	0.19	Permethrins (total)	< LOQ	0.2	0.10
Phosmet	< LOQ	0.2	0.10	Piperonyl butoxide	< LOQ	2	0.48
Prallethrin	< LOQ	0.2	0.10	Propiconazole	< LOQ	0.4	0.19
Propoxur	< LOQ	0.2	0.10	Pyrethrins (total)	< LOQ	1	0.48
Pyridaben	< LOQ	0.2	0.10	Spinosad	< LOQ	0.2	0.10
Spiromesifen	< LOQ	0.2	0.10	Spirotetramat	< LOQ	0.2	0.10
Spiroxamine	< LOQ	0.4	0.19	Tebuconazole	< LOQ	0.4	0.19
Thiacloprid	< LOQ	0.2	0.10	Thiamethoxam	< LOQ	0.2	0.10
Trifloxystrobin	< LOQ	0.2	0.10				

<LOQ - Results below the Limit of Quantitation - Compound not detected



Brian Weigel
Lab Director

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Sample Name: **ZFR-MBP-WNC** License: **010-1003340D344**
 Tested for: **Lightscale Labs** Date Sampled: **03/01/21 00:00**
Compliance Subcon - Extract Date Accepted: **03/01/21**

Laboratory ID: **21C0016-02** Sample Metrc ID: **NA**
 Matrix: **Other Liquid** Batch RFID: **NA**
 Lot # **NA** Batch Size: **NA**

Pesticide Analysis in ppm

Date Extracted: 03/05/21 Analysis Method: AOAC 2007.01 & EN 15662
 Date Analyzed: 03/05/21 Results above the action levels are highlighted in red #.

Analyte	Result	Action Level	LOQ	Analyte	Result	Action Level	LOQ
Abamectin	< LOQ	0.5	0.24	Acephate	< LOQ	0.4	0.19
Acequinocyl	< LOQ	2	0.96	Acetamiprid	< LOQ	0.2	0.10
Aldicarb	< LOQ	0.4	0.19	Azoxystrobin	< LOQ	0.2	0.10
Bifenazate	< LOQ	0.2	0.10	Bifenthrin	< LOQ	0.2	0.10
Boscalid	< LOQ	0.4	0.19	Carbaryl	< LOQ	0.2	0.10
Carbofuran	< LOQ	0.2	0.10	Chlorantraniliprole	< LOQ	0.2	0.10
Chlorfenapyr	< LOQ	1	0.48	Chlorpyrifos	< LOQ	0.2	0.10
Clofentezine	< LOQ	0.2	0.10	Cyfluthrin	< LOQ	1	0.48
Cypermethrin	< LOQ	1	0.48	Daminozide	< LOQ	1	0.48
DDVP (Dichlorvos)	< LOQ	1	0.48	Diazinon	< LOQ	0.2	0.10
Dimethoate	< LOQ	0.2	0.10	Ethoprophos	< LOQ	0.2	0.10
Etofenprox	< LOQ	0.4	0.19	Etoxazole	< LOQ	0.2	0.10
Fenoxycarb	< LOQ	0.2	0.10	Fenpyroximate	< LOQ	0.4	0.19
Fipronil	< LOQ	0.4	0.19	Fonicamid	< LOQ	1	0.48
Fludioxonil	< LOQ	0.4	0.19	Hexythiazox	< LOQ	1	0.48
Imazalil	< LOQ	0.2	0.10	Imidacloprid	< LOQ	0.4	0.19
Kresoxim-methyl	< LOQ	0.4	0.19	Malathion	< LOQ	0.2	0.10
Metalaxyl	< LOQ	0.2	0.10	Methiocarb	< LOQ	0.2	0.10
Methomyl	< LOQ	0.4	0.19	Methyl parathion	< LOQ	0.2	0.10
MGK-264	< LOQ	0.2	0.10	Myclobutanil	< LOQ	0.2	0.10
Naled	< LOQ	0.5	0.24	Oxamyl	< LOQ	1	0.48
Paclobutrazol	< LOQ	0.4	0.19	Permethrins (total)	< LOQ	0.2	0.10
Phosmet	< LOQ	0.2	0.10	Piperonyl butoxide	< LOQ	2	0.48
Prallethrin	< LOQ	0.2	0.10	Propiconazole	< LOQ	0.4	0.19
Propoxur	< LOQ	0.2	0.10	Pyrethrins (total)	< LOQ	1	0.48
Pyridaben	< LOQ	0.2	0.10	Spinosad	< LOQ	0.2	0.10
Spiromesifen	< LOQ	0.2	0.10	Spirotetramat	< LOQ	0.2	0.10
Spiroxamine	< LOQ	0.4	0.19	Tebuconazole	< LOQ	0.4	0.19
Thiacloprid	< LOQ	0.2	0.10	Thiamethoxam	< LOQ	0.2	0.10
Trifloxystrobin	< LOQ	0.2	0.10				

<LOQ - Results below the Limit of Quantitation - Compound not detected



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Case Narrative

Pesticides - Daminozide recovered above the upper acceptance limit in the Blank Spike, Matrix Spike, and/or Matrix Spike Duplicate. Analytes were below the reporting limit in all client samples.

Bifenthrin recovered below the lower acceptance limit in the Blank Spike, Matrix Spike, and Matrix Spike Duplicate. No peaks were identified in the retention time window of these analytes in client samples.

**Quality Control
Pesticide Analysis**

Batch: B210656 - Pesticide Prep

Blank(B210656-BLK1)		Extracted - 03/05/21 10:30 Analyzed - 03/05/21 17:05						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin	< LOQ	ppm						
Acephate	< LOQ	ppm						
Acequinocyl	< LOQ	ppm						
Acetamiprid	< LOQ	ppm						
Aldicarb	< LOQ	ppm						
Azoxystrobin	< LOQ	ppm						
Bifenazate	< LOQ	ppm						
Bifenthrin	< LOQ	ppm						
Boscalid	< LOQ	ppm						
Carbaryl	< LOQ	ppm						
Carbofuran	< LOQ	ppm						
Chlorantraniliprole	< LOQ	ppm						
Chlorfenapyr	< LOQ	ppm						
Chlorpyrifos	< LOQ	ppm						
Clofentezine	< LOQ	ppm						
Cyfluthrin	< LOQ	ppm						
Cypermethrin	< LOQ	ppm						
Daminozide	< LOQ	ppm						
DDVP (Dichlorvos)	< LOQ	ppm						
Diazinon	< LOQ	ppm						
Dimethoate	< LOQ	ppm						
Ethoprophos	< LOQ	ppm						
Etofenprox	< LOQ	ppm						
Etoxazole	< LOQ	ppm						
Fenoxycarb	< LOQ	ppm						
Fenpyroximate	< LOQ	ppm						



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Quality Control

Pesticide Analysis (Continued)

Batch: B210656 - Pesticide Prep (Continued)

Blank(B210656-BLK1)		Extracted - 03/05/21 10:30 Analyzed - 03/05/21 17:05						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Fipronil	< LOQ	ppm						
Flonicamid	< LOQ	ppm						
Fludioxonil	< LOQ	ppm						
Hexythiazox	< LOQ	ppm						
Imazalil	< LOQ	ppm						
Imidacloprid	< LOQ	ppm						
Kresoxim-methyl	< LOQ	ppm						
Malathion	< LOQ	ppm						
Metalaxyl	< LOQ	ppm						
Methiocarb	< LOQ	ppm						
Methomyl	< LOQ	ppm						
Methyl parathion	< LOQ	ppm						
MGK-264	< LOQ	ppm						
Myclobutanil	< LOQ	ppm						
Naled	< LOQ	ppm						
Oxamyl	< LOQ	ppm						
Paclobutrazol	< LOQ	ppm						
Permethrins (total)	< LOQ	ppm						
Phosmet	< LOQ	ppm						
Piperonyl butoxide	< LOQ	ppm						
Prallethrin	< LOQ	ppm						
Propiconazole	< LOQ	ppm						
Propoxur	< LOQ	ppm						
Pyrethrins (total)	< LOQ	ppm						
Pyridaben	< LOQ	ppm						
Spinosad	< LOQ	ppm						
Spiromesifen	< LOQ	ppm						
Spirotetramat	< LOQ	ppm						
Spiroxamine	< LOQ	ppm						
Tebuconazole	< LOQ	ppm						
Thiacloprid	< LOQ	ppm						
Thiamethoxam	< LOQ	ppm						
Trifloxystrobin	< LOQ	ppm						



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Quality Control

Pesticide Analysis (Continued)

Batch: B210656 - Pesticide Prep (Continued)

LCS(B210656-BS1)		Extracted - 03/05/21 10:30 Analyzed - 03/05/21 17:21						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin	0.73	ppm	0.980		74.2	15-180		
Acephate	0.98	ppm	1.00		97.9	70-130		
Acequinocyl	0.33	ppm	1.00		32.7	16.9-111		
Acetamiprid	1.08	ppm	1.00		108	70-130		
Aldicarb	0.92	ppm	1.00		92.3	70-130		
Azoxystrobin	0.99	ppm	1.00		98.8	70-130		
Bifenazate	0.97	ppm	1.00		96.9	70-130		
Bifenthrin	0.64	ppm	1.00		64.3	70-130		
Boscalid	0.87	ppm	1.00		86.7	70-130		
Carbaryl	0.96	ppm	1.00		96.5	70-130		
Carbofuran	0.95	ppm	1.00		94.8	70-130		
Chlorantraniliprole	0.83	ppm	1.00		83.1	70-130		
Chlorfenapyr	0.80	ppm	1.00		79.8	40-160		
Chlorpyrifos	0.87	ppm	1.00		87.4	70-130		
Cinerin 1	< LOQ	ppm	0.0600		53.1	0-200		
cis-Permethrin	0.37	ppm	0.420		88.6	70-130		
Clofentezine	0.94	ppm	1.00		94.3	70-130		
Cyfluthrin	0.75	ppm	1.00		74.5	55-165		
Cypermethrin	0.75	ppm	1.00		75.1	70-130		
Daminozide	2.41	ppm	1.00		241	15-145		
DDVP (Dichlorvos)	0.95	ppm	1.00		94.6	70-130		
Diazinon	1.02	ppm	1.00		102	70-130		
Dimethoate	0.94	ppm	1.00		94.0	70-130		
Ethoprophos	0.87	ppm	1.00		86.5	70-130		
Etofenprox	0.80	ppm	1.00		80.0	70-130		
Etoxazole	0.91	ppm	1.00		90.6	70-130		
Fenoxycarb	0.85	ppm	1.00		85.1	70-130		
Fenpyroximate	0.70	ppm	1.00		70.4	70-130		
Fipronil	0.85	ppm	1.00		84.8	70-130		
Flonicamid	1.02	ppm	1.00		102	70-130		
Fludioxonil	0.75	ppm	1.00		75.3	70-130		
Hexythiazox	0.79	ppm	1.00		78.8	70-130		
Imazalil	1.00	ppm	1.00		99.9	70-130		
Imidacloprid	1.01	ppm	1.00		101	70-130		
Jasmolin 1	< LOQ	ppm	0.0300		87.8	0-200		



Brian Weigel
Lab Director

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Quality Control Pesticide Analysis (Continued)

Batch: B210656 - Pesticide Prep (Continued)

LCS(B210656-BS1)		Extracted - 03/05/21 10:30 Analyzed - 03/05/21 17:21						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Kresoxim-methyl	1.00	ppm	1.00		100	70-130		
Malathion	0.92	ppm	1.00		91.6	70-130		
Metalaxyl	1.04	ppm	1.00		104	70-130		
Methiocarb	0.90	ppm	1.00		90.3	70-130		
Methomyl	0.86	ppm	1.00		86.4	70-130		
Methyl parathion	0.83	ppm	1.00		83.4	35-160		
MGK-264	0.49	ppm	0.630		78.3	70-130		
Myclobutanil	0.91	ppm	1.00		91.3	70-130		
Naled	1.12	ppm	1.00		112	70-130		
Oxamyl	0.96	ppm	1.00		96.5	70-130		
Paclobutrazol	0.84	ppm	1.00		83.9	70-130		
Permethrins (total)	0.73	ppm	1.00		73.1	70-130		
Phosmet	1.00	ppm	1.00		99.6	70-130		
Piperonyl butoxide	0.89	ppm	1.00		89.3	70-130		
Prallethrin	0.88	ppm	1.00		88.2	70-130		
Propiconazole	0.91	ppm	1.00		90.8	70-130		
Propoxur	0.94	ppm	1.00		93.6	70-130		
Pyrethrins (total)	0.45	ppm	0.630		71.4	70-130		
Pyrethrin 1	0.39	ppm	0.540		72.6	0-200		
Pyridaben	0.79	ppm	1.00		79.2	70-130		
Spinosad	0.75	ppm	0.820		91.6	70-130		
Spiromesifen	0.98	ppm	1.00		97.6	70-130		
Spirotetramat	0.94	ppm	1.00		94.1	70-130		
Spiroxamine	1.00	ppm	1.00		99.8	70-130		
Tebuconazole	0.95	ppm	1.00		95.1	70-130		
Thiacloprid	1.00	ppm	1.00		100	70-130		
Thiamethoxam	1.02	ppm	1.00		102	70-130		
trans-Permethrin	0.36	ppm	0.580		61.8	70-130		
Trifloxystrobin	0.96	ppm	1.00		95.7	70-130		

Matrix Spike(B210656-MS1)		Extracted - 03/05/21 10:30 Analyzed - 03/05/21 17:37						
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin	0.61	ppm	0.966	< LOQ	62.9	55-190		
Acephate	1.02	ppm	0.986	< LOQ	104	70-130		
Acequinocyl	0.18	ppm	0.986	< LOQ	18.1	15-119		



Brian Weigel
Lab Director

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Quality Control Pesticide Analysis (Continued)

Batch: B210656 - Pesticide Prep (Continued)

Matrix Spike(B210656-MS1)			Extracted - 03/05/21 10:30 Analyzed - 03/05/21 17:37					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acetamiprid	1.05	ppm	0.986	< LOQ	107	70-130		
Aldicarb	0.95	ppm	0.986	< LOQ	96.4	70-130		
Azoxystrobin	0.96	ppm	0.986	< LOQ	97.8	70-130		
Bifenazate	0.97	ppm	0.986	< LOQ	98.0	70-130		
Bifenthrin	0.67	ppm	0.986	< LOQ	68.0	70-130		
Boscalid	0.88	ppm	0.986	< LOQ	89.2	70-130		
Carbaryl	0.94	ppm	0.986	< LOQ	95.3	70-130		
Carbofuran	0.95	ppm	0.986	< LOQ	96.4	70-130		
Chlorantraniliprole	0.83	ppm	0.986	< LOQ	83.9	70-130		
Chlorfenapyr	0.80	ppm	0.986	< LOQ	81.5	40-190		
Chlorpyrifos	0.90	ppm	0.986	< LOQ	91.7	70-130		
Cinerin 1	< LOQ	ppm	0.0591	< LOQ	55.0	0-200		
cis-Permethrin	0.38	ppm	0.414	< LOQ	91.7	70-130		
Clofentezine	0.90	ppm	0.986	< LOQ	91.5	70-130		
Cyfluthrin	0.69	ppm	0.986	< LOQ	70.0	35-170		
Cypermethrin	0.76	ppm	0.986	< LOQ	77.0	70-130		
Daminozide	2.46	ppm	0.986	< LOQ	249	16-160		
DDVP (Dichlorvos)	1.04	ppm	0.986	< LOQ	105	70-130		
Diazinon	1.00	ppm	0.986	< LOQ	102	70-130		
Dimethoate	0.96	ppm	0.986	< LOQ	97.9	70-130		
Ethoprophos	0.85	ppm	0.986	< LOQ	86.4	70-130		
Etofenprox	0.86	ppm	0.986	< LOQ	87.3	70-130		
Etoxazole	0.92	ppm	0.986	< LOQ	93.5	70-130		
Fenoxycarb	0.84	ppm	0.986	< LOQ	85.0	70-130		
Fenpyroximate	0.70	ppm	0.986	< LOQ	71.3	70-130		
Fipronil	0.81	ppm	0.986	< LOQ	82.4	70-130		
Flonicamid	0.91	ppm	0.986	< LOQ	92.2	70-130		
Fludioxonil	0.75	ppm	0.986	< LOQ	76.2	70-130		
Hexythiazox	0.82	ppm	0.986	< LOQ	83.3	70-130		
Imazalil	0.94	ppm	0.986	< LOQ	95.5	70-130		
Imidacloprid	1.21	ppm	0.986	< LOQ	123	70-130		
Jasmolin 1	0.04	ppm	0.0296	< LOQ	125	0-200		
Kresoxim-methyl	0.99	ppm	0.986	< LOQ	100	70-130		
Malathion	0.90	ppm	0.986	< LOQ	90.8	70-130		
Metalaxyl	1.02	ppm	0.986	< LOQ	103	70-130		



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Quality Control

Pesticide Analysis (Continued)

Batch: B210656 - Pesticide Prep (Continued)

Matrix Spike(B210656-MS1)			Extracted - 03/05/21 10:30 Analyzed - 03/05/21 17:37					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Methiocarb	0.86	ppm	0.986	< LOQ	87.0	70-130		
Methomyl	0.87	ppm	0.986	< LOQ	88.5	70-130		
Methyl parathion	0.75	ppm	0.986	< LOQ	76.0	33.5-156		
MGK-264	0.48	ppm	0.621	< LOQ	77.9	70-130		
Myclobutanil	0.92	ppm	0.986	< LOQ	92.9	70-130		
Naled	0.86	ppm	0.986	< LOQ	87.6	70-130		
Oxamyl	1.01	ppm	0.986	< LOQ	103	70-130		
Paclobutrazol	0.80	ppm	0.986	< LOQ	81.4	70-130		
Permethrins (total)	0.80	ppm	0.986	< LOQ	81.3	70-130		
Phosmet	0.71	ppm	0.986	< LOQ	71.8	70-130		
Piperonyl butoxide	0.84	ppm	0.986	< LOQ	84.9	70-130		
Prallethrin	0.86	ppm	0.986	< LOQ	87.0	70-130		
Propiconazole	0.85	ppm	0.986	< LOQ	86.6	70-130		
Propoxur	0.89	ppm	0.986	< LOQ	90.4	70-130		
Pyrethrins (total)	0.47	ppm	0.621	< LOQ	74.9	70-130		
Pyrethrin 1	0.40	ppm	0.532	< LOQ	74.4	0-200		
Pyridaben	0.84	ppm	0.986	< LOQ	85.1	70-130		
Spinosad	0.81	ppm	0.808	< LOQ	100	70-130		
Spiromesifen	0.94	ppm	0.986	< LOQ	95.8	70-130		
Spirotetramat	0.92	ppm	0.986	< LOQ	93.3	70-130		
Spiroxamine	0.97	ppm	0.986	< LOQ	98.0	70-130		
Tebuconazole	0.92	ppm	0.986	< LOQ	92.8	70-130		
Thiacloprid	0.96	ppm	0.986	< LOQ	97.5	70-130		
Thiamethoxam	1.07	ppm	0.986	< LOQ	109	70-130		
trans-Permethrin	0.42	ppm	0.572	< LOQ	73.7	70-130		
Trifloxystrobin	0.94	ppm	0.986	< LOQ	95.5	70-130		

Matrix Spike Dup(B210656-MSD1)			Extracted - 03/05/21 10:30 Analyzed - 03/05/21					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Abamectin	0.66	ppm	0.958	< LOQ	68.4	55-190	8.37	30
Acephate	0.98	ppm	0.978	< LOQ	99.8	70-130	3.90	30
Acequinocyl	0.18	ppm	0.978	< LOQ	18.0	15-119	0.674	30
Acetamiprid	1.04	ppm	0.978	< LOQ	106	70-130	0.820	30
Aldicarb	0.96	ppm	0.978	< LOQ	98.5	70-130	2.17	30
Azoxystrobin	0.97	ppm	0.978	< LOQ	98.7	70-130	0.850	30



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Quality Control

Pesticide Analysis (Continued)

Batch: B210656 - Pesticide Prep (Continued)

Matrix Spike Dup(B210656-MSD1)			Extracted - 03/05/21 10:30 Analyzed - 03/05/21					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Bifenazate	0.97	ppm	0.978	< LOQ	99.7	70-130	1.69	30
Bifenthrin	0.65	ppm	0.978	< LOQ	66.1	70-130	2.78	30
Boscalid	0.86	ppm	0.978	< LOQ	87.7	70-130	1.74	30
Carbaryl	0.93	ppm	0.978	< LOQ	95.3	70-130	0.0523	30
Carbofuran	0.93	ppm	0.978	< LOQ	94.6	70-130	1.82	30
Chlorantraniliprole	0.77	ppm	0.978	< LOQ	78.6	70-130	6.51	30
Chlorfenapyr	0.68	ppm	0.978	< LOQ	69.5	40-190	15.9	30
Chlorpyrifos	0.89	ppm	0.978	< LOQ	90.7	70-130	1.19	30
Cinerin 1	< LOQ	ppm	0.0587	< LOQ	54.4	0-200	1.13	30
cis-Permethrin	0.40	ppm	0.411	< LOQ	97.5	70-130	6.04	30
Clofentezine	0.88	ppm	0.978	< LOQ	90.0	70-130	1.65	30
Cyfluthrin	0.72	ppm	0.978	< LOQ	73.6	35-170	5.10	30
Cypermethrin	0.72	ppm	0.978	< LOQ	73.5	70-130	4.74	30
Daminozide	2.36	ppm	0.978	< LOQ	241	16-160	3.18	30
DDVP (Dichlorvos)	1.01	ppm	0.978	< LOQ	103	70-130	2.04	30
Diazinon	0.97	ppm	0.978	< LOQ	99.2	70-130	2.39	30
Dimethoate	0.90	ppm	0.978	< LOQ	92.0	70-130	6.17	30
Ethoprophos	0.85	ppm	0.978	< LOQ	87.0	70-130	0.751	30
Etofenprox	0.85	ppm	0.978	< LOQ	86.9	70-130	0.482	30
Etoxazole	0.92	ppm	0.978	< LOQ	94.3	70-130	0.860	30
Fenoxycarb	0.82	ppm	0.978	< LOQ	84.3	70-130	0.844	30
Fenpyroximate	0.73	ppm	0.978	< LOQ	74.5	70-130	4.46	30
Fipronil	0.83	ppm	0.978	< LOQ	85.2	70-130	3.32	30
Flonicamid	0.91	ppm	0.978	< LOQ	92.6	70-130	0.424	30
Fludioxonil	0.75	ppm	0.978	< LOQ	77.2	70-130	1.24	30
Hexythiazox	0.83	ppm	0.978	< LOQ	84.4	70-130	1.38	30
Imazalil	0.96	ppm	0.978	< LOQ	98.3	70-130	2.93	30
Imidacloprid	1.19	ppm	0.978	< LOQ	122	70-130	0.387	30
Jasmolin 1	0.04	ppm	0.0293	< LOQ	130	0-200	3.76	30
Kresoxim-methyl	0.98	ppm	0.978	< LOQ	100	70-130	0.412	30
Malathion	0.87	ppm	0.978	< LOQ	89.1	70-130	1.97	30
Metalaxyl	1.01	ppm	0.978	< LOQ	104	70-130	0.353	30
Methiocarb	0.87	ppm	0.978	< LOQ	88.5	70-130	1.71	30
Methomyl	0.82	ppm	0.978	< LOQ	84.0	70-130	5.28	30
Methyl parathion	0.75	ppm	0.978	< LOQ	76.4	33.5-156	0.426	30



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Quality Control

Pesticide Analysis (Continued)

Batch: B210656 - Pesticide Prep (Continued)

Matrix Spike Dup(B210656-MSD1)			Extracted - 03/05/21 10:30 Analyzed - 03/05/21					
Analyte	Result	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
MGK-264	0.47	ppm	0.616	< LOQ	77.0	70-130	1.22	30
Myclobutanil	0.87	ppm	0.978	< LOQ	89.3	70-130	3.89	30
Naled	0.82	ppm	0.978	< LOQ	84.2	70-130	3.98	30
Oxamyl	0.94	ppm	0.978	< LOQ	95.9	70-130	7.02	30
Paclobutrazol	0.79	ppm	0.978	< LOQ	81.2	70-130	0.245	30
Permethrins (total)	0.80	ppm	0.978	< LOQ	82.2	70-130	1.11	30
Phosmet	0.69	ppm	0.978	< LOQ	71.1	70-130	1.09	30
Piperonyl butoxide	0.83	ppm	0.978	< LOQ	85.0	70-130	0.0884	30
Prallethrin	0.82	ppm	0.978	< LOQ	84.2	70-130	3.27	30
Propiconazole	0.90	ppm	0.978	< LOQ	91.8	70-130	5.85	30
Propoxur	0.90	ppm	0.978	< LOQ	91.5	70-130	1.19	30
Pyrethrins (total)	0.46	ppm	0.616	< LOQ	75.3	70-130	0.477	30
Pyrethrin 1	0.39	ppm	0.528	< LOQ	74.6	0-200	0.297	30
Pyridaben	0.82	ppm	0.978	< LOQ	83.6	70-130	1.78	30
Spinosad	0.79	ppm	0.802	< LOQ	98.7	70-130	1.69	30
Spiromesifen	0.94	ppm	0.978	< LOQ	96.4	70-130	0.671	30
Spirotetramat	0.92	ppm	0.978	< LOQ	94.6	70-130	1.29	30
Spiroxamine	0.95	ppm	0.978	< LOQ	97.5	70-130	0.505	30
Tebuconazole	0.91	ppm	0.978	< LOQ	93.5	70-130	0.750	30
Thiacloprid	0.92	ppm	0.978	< LOQ	93.9	70-130	3.73	30
Thiamethoxam	1.03	ppm	0.978	< LOQ	105	70-130	3.07	30
trans-Permethrin	0.40	ppm	0.567	< LOQ	71.1	70-130	3.55	30
Trifloxystrobin	0.92	ppm	0.978	< LOQ	93.9	70-130	1.73	30



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