



Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 05/06/21 11:10

Customer: Treehouse Biotech

Product identity: 0161-01-001

Client/Metrc ID:

Laboratory ID: 21-005045-0001

Summary

Potency:

nalyte	Result (%)		
D	91.5	CBD-Total	9
t	1.07		
	1.03	CBD THC-Total	<
N	0.440	• CBG THC-10tal	`
)V [†]	0.375	CBN (Reported	d in percent of to
		• CBDV	

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.





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Product identity: 0161-01-001

Client/Metrc ID:

Sample Date:

Laboratory ID: 21-005045-0001

Evidence of Cooling: No

Temp: 21.2 °C

Sample Results

Potency	Method .	J AOAC 2	2015 V98	-6 (mod)	Units %	Batch: 2104171	Analyze: 5/7/21	10:41:00 PM
Analyte	As	Dry	LOQ	Notes				
	Received	weight						
CBC	1.03		0.0878					
CBC-A [†]	< LOQ		0.0878					CBD
CBC-Total [†]	1.03		0.165					CBG
CBD	91.5		0.878					CBC
CBD-A	< LOQ		0.0878					CBN
CBD-Total	91.5		0.955					CBDV
CBDV [†]	0.375		0.0878					
CBDV-A [†]	< LOQ		0.0878					
CBDV-Total [†]	0.375		0.164					
CBG [†]	1.07		0.0878					
CBG-A [†]	< LOQ		0.0878					
CBG-Total	1.07		0.164					
CBL [†]	< LOQ		0.0878					
CBN	0.440		0.0878					
$\Delta 8$ -THC [†]	< LOQ		0.0878					
Δ9-THC	< LOQ		0.0878					
THC-A	< LOQ		0.0878					
THC-Total	< LOQ		0.165					
THCV [†]	< LOQ		0.0878					
THCV-A [†]	< LOQ		0.0878					
THCV-Total [†]	< LOQ		0.164					
Total Cannabinoids [†]	94.4							

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2104082	05/08/21	AOAC 990.12 (Petrifilm)	X, I
E.coli	< LOQ		cfu/g	10	2104081	05/08/21	AOAC 991.14 (Petrifilm)	X, I
Total Coliforms	< LOQ		cfu/g	10	2104081	05/08/21	AOAC 991.14 (Petrifilm)	X, I
Staphylococcus aureus	< LOQ		cfu/g	10	2104083	05/07/21	AOAC 2003.07	X, I
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2104080	05/08/21	AOAC 2014.05 (RAPID)	X, I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2104080	05/08/21	AOAC 2014.05 (RAPID)	X, I
Salmonella spp. by PCR	Negative		/10g		2104058	05/07/21	AOAC 2020.02	X, I

Page 2 of 14





Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 ORELAP#: OR100028

Purchase Order:

05/06/21 11:10 Received:

Solvents	Method	Residua	al Solv	ents by GC/MS	Units µg/g Batch 2	104086	Analyz	e 05/06/21 03:05 PM	J
Analyte	Result	Limits	LOQ	Status Notes	Analyte	Result	Limits	LOQ Status Notes	
1,4-Dioxane	< LOQ	380	100	pass	2-Butanol	< LOQ	5000	200 pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass	2-Methylbutane	< LOQ		200	
2-Methylpentane	< LOQ		30.0		2-Propanol (IPA)	< LOQ	5000	200 pass	
2,2-Dimethylbutane	< LOQ		30.0		2,2-Dimethylpropane	< LOQ		200	
2,3-Dimethylbutane	< LOQ		30.0		3-Methylpentane	< LOQ		30.0	
Acetone	< LOQ	5000	200	pass	Acetonitrile	< LOQ	410	100 pass	
Benzene	< LOQ	2.00	1.00	pass	Butanes (sum)	< LOQ	5000	400 pass	
Cyclohexane	< LOQ	3880	200	pass	Ethanol [†]	< LOQ		200	
Ethyl acetate	< LOQ	5000	200	pass	Ethyl benzene	< LOQ		200	
Ethyl ether	< LOQ	5000	200	pass	Ethylene glycol	< LOQ	620	200 pass	
Ethylene oxide	< LOQ	50.0	20.0	pass	Hexanes (sum)	< LOQ	290	150 pass	
Isopropyl acetate	< LOQ	5000	200	pass	Isopropylbenzene	< LOQ	70.0	30.0 pass	
m,p-Xylene	< LOQ		200		Methanol	< LOQ	3000	200 pass	
Methylene chloride	< LOQ	600	60.0	pass	Methylpropane	< LOQ		200	
n-Butane	< LOQ		200		n-Heptane	< LOQ	5000	200 pass	
n-Hexane	< LOQ		30.0		n-Pentane	< LOQ		200	
o-Xylene	< LOQ		200		Pentanes (sum)	< LOQ	5000	600 pass	
Propane	< LOQ	5000	200	pass	Tetrahydrofuran	< LOQ	720	100 pass	
Toluene	< LOQ	890	100	pass	Total Xylenes	< LOQ		400	
Total Xylenes and Ethyl	< LOQ	2170	600	pass					





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Pesticides	Method	AOAC	2007.01 & EN	15662 (mod)	Units mg/kg Ba	atch 2104199	Analy	ze 05/10/21 04:29 PM
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	0.200 pass		Carbaryl	< LOQ	0.20	0.100 pass
Carbofuran	< LOQ	0.20	0.100 pass		Chlorantraniliprole	e < 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	< 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		Flonicamid	< LOQ	1.0	0.400 pass
Fludioxonil	< LOQ	0.40	0.200 pass		Hexythiazox	< LOQ	1.0	0.400 pass
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		Paclobutrazole	< 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 butoxid	le < LOQ	2.0	1.00 pass
Prallethrin	< LOQ	0.20	0.200 pass		Propiconazole	< LOQ	0.40	0.200 pass
Propoxur	< LOQ	0.20	0.100 pass		Pyrethrin I (total)	< 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					

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0370	2104130	05/07/21	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0370	2104130	05/07/21	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0370	2104130	05/07/21	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0185	2104130	05/07/21	AOAC 2013.06 (mod.)	X





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These test results are representative of the individual sample selected and submitted by the client.

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.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

μg/g = Microgram per gram

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

/10g = Per 10 grams

% = Percentage of sample

% wt = μ g/g divided by 10,000

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner General Manager





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Hemp / Cannabis Usable / Extract **Chain of Custody Record**

Revision: 3.01 Control#: CF023 Rev 02/26/2020 Eff: 02/27/2020 ORELAP ID: OR100028

21	-	0	05	Dr	15
-		~			

Company:	Treehouse			1000	Analysis Requested								A Rich	P	PO Number:			
Contact: Street: 447 City: Longn Email R Ph: (541)9	Sean Colvin '2 Hilltop Rd Unit A mont State: Results: Sean@treehous 668-2867 Fx Results fferent): accounting@treeh	sebiotech.	com	- OR 59 compounds	Pesticide Multi-Residue – 379 compounds		olvents	Moisture & Water Activity	2.0	Micro: Yeast and Mold	Vicro: E.Coll and Total Coliform	tals	St	Other: Micro Panel G	PO Number: Project Number: Project Name: Custom Reporting: Report to State -			
ab O Clien	t Sample Identification	Date	Time	Pesticides	Pesticide	Potency	Residual Solvents	Moisture	Terpenes	Micro: Ye	Micro: E.C	Heavy Metals	Mycotoxins	Other: Mi	Sample Type †	Weight (Units)	Comments/Metrc ID	
	-01-001			V		V	V					V		V	С		For Res. Solv. testing, please include	
. 0163-	-01-001	F redille		V	Jai F	V	V	2 - 19				V		V	С		ethanol.	
8376	34			V	- 7	V	V	c.i. kg		6		V		V	s		1 K	
	ere a	7													0			
	1	5165		2.7(8)	07°	137					- 4	L I III		1				
	Relinquished By:	Date	Time			Re	ceived E	Ву:			Da	te	Tin	ne			Lab Use Only:	
6		575	2:00		h	W		OSD V			56	124	W	0	Evidence Sample in Cash	of cooling: good conditi	Or Client drop	

† - Sample Type Codes: Vegitation (V); Isolates (S); Extract/Concentrate (C)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms of service associated with this COC. By signing "Relinquished by" you are agreeing to the service associated with this COC. By signing "Relinquished by" you are agreeing to the service associated with this COC. By signing "Relinquished by" you are agreeing to the service associated with this COC. By signing "Relinquished by" you are agreeing to the service associated with this COC. By signing "Relinquished by" you are agreeing to the service associated with this COC. By signing "Relinquished by "You are agreeing to the service associated with this COC. By signing as a service associated with the service as a service 12423 NE Whitaker Way Portland, OR 97230 Page 1 of 2 www.columbialaboratories.com info@columbialaboratories.com



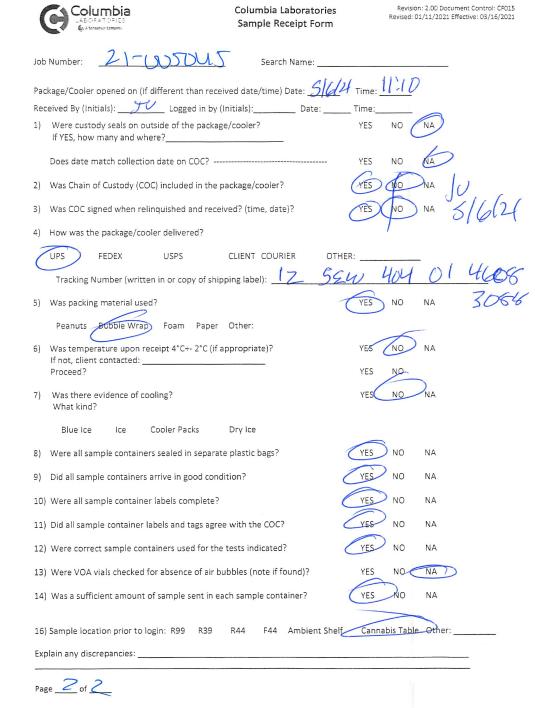


Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 **ORELAP#:** OR100028

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1,2-dimethoxyethan

ND

ND

50

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



Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 ORELAP#: OR100028

Purchase Order:

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	Lab	oratory	/ Qua	lity Contro	l Results							
Residual Solvents							ch ID:					
Method Blank					Laborato	ry Control S	ample					
Analyte	Result		LQQ	Notes	Result	Spike	Units	%Rec	ı	im	its	Notes
Propane	ND	<	200		452	595	µg/g	76.0	70	٠	130	
Isobutane	ND	<	200		590	761	µg/g	77.5	70	٠	130	
Butane	ND	<	200		596	761	µg/g	78.3	70	٠	130	
2,2-Dimethylpropane	ND	<	200		734	955	µg/g	76.9	70	٠	130	
Methanol	ND	<	200		1490	1620	µg/g	92.0	70	٠	130	
Ethylene Oxide	ND	<	30		44.2	58.3	µg/g	75.8	70	٠	130	
2-Methylbutane	ND	<	200		1490	1620	µg/g	92.0	70	٠	130	
Pentane	ND	<	200		1550	1610	µg/g	96.3	70	٠	130	
Ethanol	ND	<	200		1470	1620	µg/g	90.7	70	٠	130	
Etryl Etrer	ND	<	200		1480	1600	µg/g	92.5	70	٠	130	
2,2-Dimethylbutane	ND	<	30		160	182	µg/g	87.9	70	•	130	
Acetone	ND	<	200		1450	1600	µg/g	90.6	70	٠	130	
2-Propanol	ND	<	200		1500	1670	µg/g	89.8	70	Ŀ	130	
Ethyl Formate	ND	<	500		1180	1610	µg/g	73.3	70	Ŀ	130	
Acetonitrile	ND	<	100		453	490	µg/g	92.4	70		130	
Methyl Acetate	ND	<	500		1580	1600	µg/g	98.8	70		130	
2,3-Dimethylbutane	ND	<	30		139	165	µg/g	84.2	70	٠	130	
Dichloromethane	ND	<	200		483	481	µg/g	100.4	70		130	
2-Methylpentane	ND	<	30		137	171	µg/g	80.1	70		130	
MTBE	ND	<	500		1540	1610	µg/g	95.7	70		130	
3-Methylpentane	ND	<	30		158	171	µg/g	92.4	70		130	
Hexane	ND	<	30		165	168	µg/g	98.2	70		130	
1-Propanol	ND	<	500		1470	1600	µg/g	91.9	70		130	
Methylethylketone	ND	<	500		1620	1620	µg/g	100.0	70		130	
Ethyl acetate	ND	<	200		1560	1660	µg/g	94.0	70		130	
2-Butanol	ND	<	200		1510	1630	µg/g	92.6	70		130	
Tetrahydrofuran	ND	<	100		435	485	µg/g	89.7	70		130	
Cydohexane	ND	<	200		1500	1610	µg/g	93.2	70		130	
2-methyl-1-propanol	ND	<	500		1330	1610	µg/g	82.6	70		130	
Benzene	ND	<	1		4.65	5.62	µg/g	82.7	70		130	
Isopropyl Acetate	ND	<	200		1460	1610	µg/g	90.7	70		130	
Heptane	ND	<	200		1460	1610	µg/g	90.7	70		130	
1-Butanol	ND	<	500		1290	1610	µg/g	80.1	70		130	
Propyl Acetate	ND	<	500		1680	1610	µg/g	104.3	70		130	
1,4-Dioxane	ND	<	100		476	511	µg/g	93.2	70		130	
2-Ethoxyethanol	ND	<	30		156	168	µg/g	92.9	70		130	
Methylisobutylketone	ND	<	500		1570	1650	µg/g	95.2	70	-	130	
3-Methyl-1-butanol	ND	<	500		1420	1610	µg/g	88.2	70		130	ĺ
Ethylene Glycol	ND	<	200		429	530	µg/g	80.9	70		130	
Tduene	ND	<	200		479	487	µg/g	98.4	70	-	130	
Isobutyl Acetate	ND	<	500		1520	1610	µg/g	94.4	70		130	
1-Pentanol	ND	<	500		1420	1610	µg/g	88.2	70	-	130	
Butyl Acetate	ND	<	500		1480	1620	µg/g	91.4	70	-	130	
Ethylbenzene	ND	<	200		974	988	µg/g	98.6	70		130	
m.p-Xylene	ND	<	200		922	978	µg/g	94.3	70	ŀ	130	İ
o-Xvlene	ND ND	<	200		998	1040	µg/g	96.0	70		130	
Cumene	ND	<	30		156	177	µg/g	88.1	70	ŀ	130	İ
									ı,	_	_	

- 130 - 130

- 130 - 130

µg/g

µg/g

µg/g





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QC- Sample Duplicate					Sample ID	21-004742-0003	
Analyte	Result	Org. Result	LOQ Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Ethylene Oxide	43.3	48.2	30 μg/g	10.7	< 20	Acceptable	
2-Methylbutane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200 μg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND ND	ND ND	30 μg/g 200 μg/g	0.0	< 20	Acceptable	
Acetone 2-Propanol	ND ND	ND ND		0.0	< 20 < 20	Acceptable Acceptable	
Z-Propanoi Ethyl Formate	ND ND	ND ND	200 μg/g 500 μg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100 μg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND ND	500 μg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND ND	30 μg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500 μg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500 μg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500 μg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200 μg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100 μg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500 μg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1 μg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200 μg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500 μg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500 μg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100 µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30 μg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500 μg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Tduene	ND	ND	200 μg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500 μg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500 μg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500 μg/g	0.0	< 20	Acceptable	
Efnylbenzene	ND	ND	200 μg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30 μg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500 μg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500 μg/g	0.0	< 20	Acceptable	
	ND ND	ND ND		0.0	< 20 < 20		1
1,2-dimethoxyethane			50 μg/g			Acceptable	-
Triethylamine	ND	ND	500 μg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	ļ
N,N-dimethylacetamide	ND	ND	150 μg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50 μg/g	0.0	< 20	Acceptable	

ND - None Detected at or above MRL RPD - Relative Percent Difference LOQ - Limit of Quantitation

Units of Measure:

μg/g- Microgram per gram or ppm





Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 05/06/21 11:10

Revision #: 0.00 Control : CFL-D06 Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 2104171										
Laboratory Con	itrol Sample									
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes			
CBDV-A	0.211	0.2	%	105	85.0 - 115	Acceptable				
CBDV	0.220	0.2	%	110	85.0 - 115	Acceptable				
CBD-A	0.195	0.2	%	97.3	85.0 - 115	Acceptable				
CBG-A	0.211	0.2	%	105	85.0 - 115	Acceptable				
CBG	0.218	0.2	%	109	85.0 - 115	Acceptable				
CBD	0.210	0.2	%	105	85.0 - 115	Acceptable				
THCV	0.215	0.2	%	107	85.0 - 115	Acceptable				
THCVA	0.201	0.2	%	100	85.0 - 115	Acceptable				
CBN	0.219	0.2	%	110	85.0 - 115	Acceptable				
THC	0.206	0.2	%	103	85.0 - 115	Acceptable				
D8THC	0.206	0.2	%	103	85.0 - 115	Acceptable				
CBL	0.205	0.2	%	103	85.0 - 115	Acceptable				
CBC	0.214	0.2	%	107	85.0 - 115	Acceptable				
THCA	0.174	0.2	%	87.1	85.0 - 115	Acceptable				
CBCA	0.200	0.2	%	100	85.0 - 115	Acceptable				

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBDV	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBD-A	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBG-A	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBG	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBD	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
THCV	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
THCVA	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBN	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
THC	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
D8THC	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBL	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBC	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
THCA	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBCA	<loq< td=""><td>0.1</td><td>%</td><td>< 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	

Abbreviations

ND - None Detected at or above MRL RPD - Relative Percent Difference LOQ - Limit of Quantitation

Units of Measure:

% - Percent





Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 05/06/21 11:10

Revision #: 0.00 Control : CFL-D06 Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

JAOAC2015			Bato					
Sample Dupli	Sample ID: 21-004729-0004-01							
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
CBDV	0.151	0.152	0.1	%	0.639	< 20	Acceptable	
CBD-A	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
CBG-A	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
CBG	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
CBD	34.8	35.5	0.1	%	1.81	< 20	Acceptable	
THCV	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
THCVA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
CBN	0.226	0.226	0.1	%	0.0610	< 20	Acceptable	
THC	<loq< td=""><td><l0q< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></l0q<></td></loq<>	<l0q< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></l0q<>	0.1	%	NA	< 20	Acceptable	
D8THC	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
CBL	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
CBC	0.375	0.368	0.1	%	2.01	< 20	Acceptable	
THCA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	
CBCA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL

RPD - Relative Percent Difference

LOQ - Limit of Quantitation

NA - Calculation Not Applicable given non-numerical results

Units of Measure:

% - Percent





Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 ORELAP#: OR100028

Purchase Order:

Received: 05/06/21 11:10

Revision: 1.00 Control: CFL-C21 Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662				Units: mg/Kg			Batch ID: 2104199				
Matrix Spike/Matrix Spike Duplicate Recoveries						Sample ID: 21-005067-0008					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Acephate	0.000	0.840	0.811	1.000	3.6%	< 30	84.0%	81.1%	50 - 150		
Acequinocyl	0.000	3.430	3.104	4.000	10.0%	< 30	85.8%	77.6%	50 - 150		
Acetamiprid	0.000	0.362	0.373	0.400	3.0%	< 30	90.5%	93.3%	50 - 150		
Aldicarb	0.000	0.723	0.803	0.800	10.4%	< 30	90.4%	100.3%	50 - 150		
Abamectin	0.000	0.856	0.813	1.000	5.2%	< 30	85.6%	81.3%	50 - 150		
Azoxystrobin	0.000	0.354	0.332	0.400	6.4%	< 30	88.6%	83.1%	50 - 150		
Bifenazate	0.000	0.327	0.344	0.400	5.1%	< 30	81.8%	86.1%	50 - 150		
Bifenthrin	0.000	0.221	0.206	0.400	7.1%	< 30	55.3%	51.6%	50 - 150		
Boscalid	0.000	0.681	0.871	0.800	24.4%	< 30	85.1%	108.9%	50 - 150		
Carbaryl	0.000	0.330	0.340	0.400	3.0%	< 30	82.6%	85.1%	50 - 150		
Carbofuran	0.000	0.343	0.366	0.400	6.5%	< 30	85.7%	91.5%	50 - 150		
Chlorantraniliprol	0.000	0.369	0.398	0.400	7.6%	< 30	92.3%	99.6%	50 - 150		
Chlorfenapyr	0.000	2.738	2.607	2.000	4.9%	< 30	136.9%	130.4%	50 - 150		
Chlorpyrifos	0.000	0.400	0.329	0.400	19.5%	< 30	99.9%	82.1%	50 - 150		
Clofentezine	0.000	0.288	0.324	0.400	11.7%	< 30	72.0%	80.9%	50 - 150		
Cyfluthrin	0.000	1.441	1.725	2.000	18.0%	< 30	72.0%	86.3%	30 - 150		
Cypermethrin	0.000	2.028	2.067	2.000	1.9%	< 30	101.4%	103.4%	50 - 150		
Daminozide	0.001	1.512	1.485	2.000	1.8%	< 30	75.5%	74.2%	30 - 150		
Diazinon	0.000	0.404	0.342	0.400	16.7%	< 30	101.1%	85.5%	50 - 150		
Dichlorvos	0.000	1.707	1.579	2.000	7.8%	< 30	85.4%	79.0%	50 - 150		
Dimethoat	0.000	0.352	0.393	0.400	11.1%	< 30	87.9%	98.3%	50 - 150		
Ethoprophos	0.000	0.332	0.339	0.400	2.1%	< 30	86.5%	84.7%	50 - 150		
Etofenprox	0.000	0.744	0.745	0.800	0.1%	< 30	93.0%	93.1%	50 - 150		
Etoxazol	0.000	0.744	0.743	0.400	6.5%	< 30	80.2%	85.6%	50 - 150		
Fenoxycarb	0.000	0.365	0.342	0.400	13.1%	< 30	91.2%	80.0%	50 - 150		
Fenpyroximat	0.000	0.697	0.651	0.800	7.0%	< 30	87.2%	81.3%	50 - 150		
Fipronil	0.000	0.697	0.458	0.800	3.9%	< 30	59.5%	57.2%	50 - 150		
Flonicamid	0.000	0.476	0.458	1.000	0.4%	< 30	87.0%	87.3%	50 - 150		
Fludioxonil	0.000	1	0.873	0.800	11.5%	< 30	102.0%	90.9%	50 - 150		
Hexythiazox	0.000	0.816	1.003	1.000	13.7%	< 30	115.1%	100.3%	50 - 150		
Imazalil	0.000	0.371	0.334	0.400	10.5%	< 30	92.7%	83.4%	50 - 150		
Imidacloprid	0.000	0.371	0.334	0.400	0.4%	< 30	88.7%	88.3%	50 - 150		
Kresoxim-Methyl	0.000	0.709	0.706	0.800	10.3%	< 30	81.1%	73.1%	50 - 150		
	0.000	0.849	0.350	0.400	0.1%	< 30	87.6%	87.6%	1 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Malathion		0.350	0.350	0.400	2.9%	< 30	93.8%	91.1%	50 - 150 50 - 150		
Metalaxyl	0.000					< 30					
Methiocarb	0.102	0.452	0.485	0.400	9.0%		87.6%	95.8%	50 - 150		
Methomyl	0.000	0.788	0.666	0.800	16.8%	< 30	98.5%	83.2%	50 - 150		
MGK 264	0.000	0.360	0.351	0.400	2.5%	< 30	89.9%	87.7%	50 - 150		
Myclobutanil	0.000	0.272	0.303	0.400	10.8%	< 30	67.9%	75.7%	50 - 150		
Naled	0.000	0.720	0.941	1.000	26.5%	< 30	72.0%	94.1%	50 - 150		
Oxamyl	0.000	1.891	1.888	2.000	0.1%	< 30	94.5%	94.4%	50 - 150		
Paclobutrazol	0.000	0.645	0.738	0.800	13.5%	< 30	80.6%	92.3%	50 - 150		
Parathion Methyl	0.000	0.480	0.530	0.800	10.0%	< 30	60.0%	66.3%	30 - 150		
Permethrin	0.000	0.393	0.427	0.400	8.1%	< 30	98.3%	106.7%	50 - 150		
Phosmet	0.000	0.305	0.367	0.400	18.6%	< 30	76.3%	91.9%	50 - 150		
Piperonyl butoxide	0.000	1.708	1.604	2.000	6.3%	< 30	85.4%	80.2%	50 - 150		
Prallethrin	0.000	0.331	0.361	0.400	8.6%	< 30	82.8%	90.2%	50 - 150		
Propiconazole	0.000	0.624	0.577	0.800	7.7%	< 30	77.9%	72.1%	50 - 150		
Propoxur	0.000	0.340	0.353	0.400	3.8%	< 30	85.0%	88.4%	50 - 150		
Pyrethrins	0.000	0.327	0.326	0.413	0.3%	< 30	79.2%	79.0%	50 - 150		
Pyridaben	0.000	0.376	0.490	0.400	26.3%	< 30	94.1%	122.6%	50 - 150		
Spinosad	0.000	0.422	0.381	0.388	10.1%	< 30	108.7%	98.3%	50 - 150		
Spiromesifen	0.000	0.367	0.357	0.400	2.7%	< 30	91.7%	89.3%	50 - 150		
Spirotetramat	0.000	0.375	0.375	0.400	0.0%	< 30	93.7%	93.7%	50 - 150		
Spiroxamine	0.000	0.674	0.709	0.800	5.0%	< 30	84.3%	88.6%	50 - 150		
Tebuconazol	0.000	0.549	0.504	0.800	8.6%	< 30	68.6%	63.0%	50 - 150		
Thiadoprid	0.000	0.349	0.364	0.400	4.1%	< 30	87.4%	91.0%	50 - 150		
Thiamethoxam	0.000	0.367	0.377	0.400	2.9%	< 30	91.6%	94.3%	50 - 150		
Trifloxystrobin	0.000	0.321	0.353	0.400	9.6%	< 30	80.2%	88.3%	50 - 150		





Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 05/06/21 11:10

Revision: 1.00 Control: CFL-C21 Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 1566: Method Blank		Units: mg/Kg Batch ID: 2104199 Laboratory Control Sample									
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes			
Acephate	0.000	< 0.200	1	1.005	1.000	100.5	72.4 - 126	1			
Acequinocyl	0.000	< 1.000	1	4.135	4.000	103.4	79.8 - 122				
Acetamiprid	0.000	< 0.100	1	0.411	0.400	102.6	84.3 - 119				
Aldicarb	0.000	< 0.200	1	0.691	0.800	86.3	82.9 - 120				
Abamectin	0.000	< 0.288	1	0.982	1.000	98.2	79.6 - 124	-			
Azoxystrobin	0.000	< 0.100	1	0.403	0.400	100.7	79.4 - 127				
Bifenazate	0.000	< 0.100	1	0.351	0.400	87.8	81.6 - 124	-			
Bifenthrin	0.000	< 0.100	1	0.454	0.400	113.6	71.5 - 133				
Boscalid	0.000	< 0.100	1	0.622	0.800	77.7	74.0 - 131	-			
Carbaryl	0.000	< 0.100	1	0.387	0.400	96.7	82.1 - 121	-			
Carbofuran	0.002	< 0.100	1	0.396	0.400	99.1	85.1 - 125	-			
Chlorantraniliprol	0.002	< 0.100	1	0.414	0.400	103.4	70.6 - 131	-			
Chlorfenapyr	0.000	< 1.000	-	1.910	2.000	95.5					
	0.000	< 0.100	1	0.415	0.400	103.7					
Chlorpyrifos			1								
Clofentezine	0.000	< 0.100	1	0.380	0.400	94.9	80.1 - 117				
Cyfluthrin	0.000	< 1.000		2.154	2.000	107.7	71.8 - 133				
Cypermethrin	0.000	< 1.000	_	2.240	2.000	112.0	83.1 - 126				
Daminozide	0.000	< 1.000		2.019	2.000	101.0	74.6 - 124				
Diazinon	0.000	< 0.100		0.494	0.400	123.5	78.9 - 126				
Dichlorvos	0.000	< 0.500	1	1.766	2.000	88.3	76.1 - 124				
Dimethoat	0.000	< 0.100		0.442	0.400	110.5	82.8 - 119				
Ethoprophos	0.000	< 0.100		0.371	0.400	92.7	69.5 - 129				
Etofenprox	0.000	< 0.100		0.711	0.800	88.9	85.2 - 128				
Etoxazol	0.000	< 0.100		0.354	0.400	88.6	79.7 - 126				
Fenoxycarb	0.000	< 0.100		0.430	0.400	107.5	84.1 - 122				
Fenpyroximat	0.000	< 0.100		0.880	0.800	110.1	82.4 - 126				
Fipronil	0.000	< 0.100		0.883	0.800	110.3	80.6 - 125				
Flonicamid	0.000	< 0.400		0.988	1.000	98.8	80.9 - 119				
Fludioxonil	0.000	< 0.100		0.821	0.800	102.6	73.0 - 136				
Hexythiazox	0.000	< 0.400	1	0.977	1.000	97.7	82.5 - 125				
lmazalil	0.000	< 0.100	1	0.353	0.400	88.2	81.4 - 128				
Imidacloprid	0.000	< 0.200	i	0.753	0.800	94.1	76.9 - 125	İ			
Kresoxim-Methyl	0.000	< 0.100		0.714	0.800	89.3	82.6 - 124				
Malathion	0.000	< 0.100	1	0.402	0.400	100.5	74.1 - 130				
Metalaxyl	0.000	< 0.100	1	0.399	0.400	99.7	79.7 - 124	i —			
Methiocarb	0.002	< 0.100	1	0.426	0.400	106.6	81.0 - 123				
Methomyl	0.000	< 0.200	1	0.736	0.800	92.0	79.4 - 118				
MGK 264	0.000	< 0.100	1	0.361	0.400	90.3	77.2 - 128				
Myclobutanil	0.000	< 0.100	1	0.420	0.400	105.1	80.6 - 123				
Naled	0.000	< 0.200	1	1.026	1.000	102.6	80.3 - 126				
Oxamyl	0.000	< 0.400	1	2.022	2.000	101.1	80.1 - 117				
Paclobutrazol	0.000	< 0.200	1	0.875	0.800	109.3	81.6 - 126				
Parathion Methyl	0.000	< 0.200	1	0.739	0.800	92.3	72.5 - 135				
Permethrin	0.000	< 0.100		0.484	0.400	120.9	75.0 - 139				
Phosmet	0.000	< 0.100		0.380	0.400	94.9	82.0 - 122				
Piperonyl butoxide	0.000	< 1.000	1	1.793	2.000	89.6	81.3 - 137				
Prallethrin	0.000	< 0.200	1	0.411	0.400	102.8	81.3 - 127				
Propiconazole	0.000	< 0.200	1	0.942	0.800	117.8	84.7 - 121	1			
Propoxur	0.000	< 0.100		0.392	0.400	98.0	84.2 - 121				
Pyrethrins	0.000	< 0.500	1	0.352	0.400	85.2	76.1 - 141	-			
Pyridaben	0.000	< 0.100	-	0.372	0.413	93.1	79.2 - 147				
Spinosad	0.000	< 0.100	1	0.424	0.400	109.2	88.4 - 127	-			
			-					-			
Spiromesifen	0.000	< 0.100	1	0.374	0.400	93.5					
Spirotetramat	0.000	< 0.100	1	0.394	0.400	98.6	81.1 - 121				
Spiroxamine	0.000	< 0.100	1	0.753	0.800	94.1	78.4 - 133				
Tebuconazol	0.000	< 0.200		0.908	0.800	113.4	83.1 - 122				
Thiacloprid	0.000	< 0.100		0.406	0.400	101.4	84.3 - 120				
Thiamethoxam	0.000	< 0.100		0.415	0.400	103.7	80.1 - 121				
Trifloxystrobin	0.000	< 0.100		0.507	0.400	126.8	81.4 - 125	Q1			





Report Number: 21-005045/D04.R00

Report Date: 05/13/2021 **ORELAP#:** OR100028

Purchase Order:

Received: 05/06/21 11:10

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.
В	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.