



Report Number: 20-011625/D02.R00

Report Date: 11/02/2020 **ORELAP#:** OR100028

Purchase Order:

Received: 10/27/20 10:00

Customer: Treehouse Biotech

Product identity: 0138-01-001

Client/Metrc ID:

Laboratory ID: 20-011625-0003

Summary

Potency:

Analyte	Result (%)		L	
CBD	71.5		CBD-Total	71.5%
CBC	11.0	• CBD		
CBG [†]	2.06	• CBC	THC-Total	<loq< td=""></loq<>
CBN	1.34	• CBG		
CBL [†]	0.913	CBN	(Reported in pe	rcent of total sample)
CBDV [†]	0.635	• CBL		
		• 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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Purchase Order:

Received: 10/27/20 10:00

Customer: Treehouse Biotech

Product identity: 0138-01-001

Client/Metrc ID:

Sample Date:

Laboratory ID: 20-011625-0003

Relinquished by: UPS **Temp:** 16 °C

Sample Results

Potency	Meth	od J AO	AC 2015	V98-6 (mod)	Batch: 2009093	Analyze: 10/30/20 5:46:00 PM
Analyte	As	Dry	LOQ	Notes		
	Received	weight				
CBC	11.0		0.0898			
CBC-A [†]	< LOQ		0.0898			© CBD
CBC-Total [†]	11.0		0.169			• CBC
CBD	71.5		0.898			• CBG • CBN
CBD-A	< LOQ		0.0898			• CBL
CBD-Total	71.5		0.976			• CBDV
CBDV [†]	0.635		0.0898			
CBDV-A [†]	< LOQ		0.0898			
CBDV-Total [†]	0.635		0.168			
CBG [†]	2.06		0.0898			
CBG-A [†]	< LOQ		0.0898			
CBG-Total	2.06		0.168			
CBL [†]	0.913		0.0898			
CBN	1.34		0.0898			
Δ8-THC [†]	< LOQ		0.0898			
Δ9-THC	< LOQ		0.0898			
THC-A	< LOQ		0.0898			
THC-Total	< LOQ		0.169			
THCV [†]	< LOQ		0.0898			
THCV-A [†]	< LOQ		0.0898			
THCV-Total [†]	< LOQ		0.168			
Total Cannabinoids†	87.4					

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2008914	10/29/20	AOAC 990.12 (Petrifilm)	X, I
E.coli	< LOQ		cfu/g	10	2008915	10/29/20	AOAC 991.14 (Petrifilm)	X, I
Total Coliforms	< LOQ		cfu/g	10	2008915	10/29/20	AOAC 991.14 (Petrifilm)	X, I
Staphylococcus aureus	< LOQ		cfu/g	10	2008916	10/28/20	AOAC 2003.07	Χ
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2008913	10/29/20	AOAC 2014.05 (RAPID)	X, I
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2008913	10/29/20	AOAC 2014.05 (RAPID)	X, I
Salmonella spp.	Negative		/5g		2008918	10/28/20	AOAC 2016.01	X, I

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Purchase Order:

Solvents	Method	EPA502	1A		Units µg/g Batch 2	008995	Analyze	e 10/29/20 09:13 AM
Analyte	Result	Limits	LOQ S	Status Notes	Analyte	Result	Limits I	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	30.0	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	200	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				





Report Number: 20-011625/D02.R00

11/02/2020 Report Date: ORELAP#: OR100028

Purchase Order:

Pesticides	Method	AOAC	2007.01 & EN	I 15662 (mod)	Units mg/kg	Batch 200	09098	Analy	ze 11/02/20 10:29 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	0.200 pass		Carbaryl		< LOQ	0.20	0.100 pass
Carbofuran	< LOQ	0.20	0.100 pass		Chlorantranilipre	ole	< 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 butox	ide	< 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 (tota	l)	< 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	0.0355	2009031	10/29/20	AOAC 2013.06 (mod.)	Χ
Cadmium	< LOQ		mg/kg	0.0355	2009031	10/29/20	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0355	2009031	10/29/20	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0177	2009031	10/29/20	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)

/5g = Per 5 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





Report Number: 20-011625/D02.R00

Report Date: 11/02/2020 **ORELAP#:** OR100028

Purchase Order:

Received: 10/27/20 10:00



Hemp / Cannabis Usable / Extract Chain of Custody Record

20-011625

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

C	ompany: Treehouse						1	nalys	is Rec	ueste	d				P	O Number:	
St Ci V	Contact: Julie Barich and Sean Coltreet: 4472 Hilltop Rd Unit A Ly: Longmont State: Email Results: julie@treehouse 1: (303) 550-5601 Fx Results 2: (ing (if different): accounting@tree	CO Zip: <u>8</u> biotech.com	1	ss – OR 59 compounds	Pesticide Multi-Residue – 379 compounds		Residual Solvents	Moisture & Water Activity	s	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	letals	dins	Micro Panel G	Proje Pro Custom Report t	ct Number: _ iject Name: _ Reporting: _ o State -	METRC or ☐ Other: Standard ☐ Rush * ☐ Priority Rush * *Check for availability
Lab	Client Sample Identification	Date	Time	Pesticides –	Pesticide	Potency	Residual	Moisture	Terpenes	Micro: Y	Micro: E	Heavy Metals	Mycotoxins	Other:	Sample Type †	Weight (Units)	Comments/Metrc ID
3	BBAY 0131-01-001 Start 0138-01-001			✓ ✓		✓ ✓	✓ ✓					✓ ✓		✓ ✓			For Any Residual Solvent Analysis, please do Ethanol. This is required for Organic Certification. Thanks! Custom LOQ 0.01 on the following sample(s): none
	Relinquished By:	Date 10.13.6%	10-48 P		mi	nt	eceived	Ву:				ate 27/20		me VOC	Evidence Sample i	of cooling: [n good condit	Lab Use Only: Or □ Client drop J Yes □ No - Temp (°C): ((6 · C) ion: □ Yes □ No

 $\ensuremath{^{\dagger}}$ - 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 12423 NE Whitaker Way

Per [503] 254-1794 | Fax: [503] 254-1452

Portland, OR 97230 | Info@columbialaboratories.com | www.columbialaboratories.com | www.columbial





Report Number: 20-011625/D02.R00

Report Date: 11/02/2020
ORELAP#: OR100028

Purchase Order:

Received: 10/27/20 10:00



Hemp / Cannabis Usable / Extract Chain of Custody Record

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

PRICING AND CHARGES

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Laboratories (herein referred to as "the LAB". Standard pricing applies unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 30 days after receipt. If additional time is desired, then a written request is required, and an additional monthly fee will apply.

CONFIDENTIALITY

The LAB will treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

LIMITATION OF LIABILITY AND WARRANTY

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

PAST DUE ACCOUNTS

Credit line account are payable within 30 days. Accounts that are 60 days past due will incur 1¹/₂% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB's collection costs, including reasonable attorney fees.

EXPERT TESTIMONY AND COURT APPEARANCES

In the event CUSTOMER requires the further written opinion or testimony of any employee of the LAB, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

APPLICABLE LAW

Legal matters arising from work performed by the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon. When sending, transferring, or submitting samples, the CUSTOMER assumes full responsibility for complying with all applicable state and federal laws

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 agreement galaxie terms 12423 NE Whitaker Way

Per (503) 254-1794 | Fax: (503) 254-1794 | F





Report Number: 20-011625/D02.R00

Report Date: 11/02/2020 ORELAP#: OR100028

Purchase Order:

Columbia LABORATORIES & A Tentamus Corpany	Columbia Laboratori Sample Receipt Forn			ion: 1.01 Document Control: CF d: 02/28/2020 Effective: 02/28/2
Job Number: 2001110 7		1		
Package/Cooler opened on (if different than re	eceived date/time) Date:	200 Time: 10	0.00	
Received By (Initials):				
Were custody seals on outside of the pack If YES, how many and where?	kage/cooler?	YES	NO	NA
Were signature and date correct?		YES	NO	NA
2) Were custody papers included in the pack	tage/cooler?	YES	NO	NA
3) Were custody papers properly filled out (ink, sign, date)?	YES	NO	NA
4) Did you sign custody papers in the approp	priate place?	YES	NO	NA
5) How was the package/cooler delivered?				
UPS FEDEX USPS	CLIENT COURIE	R OTHE	R:	
Tracking Number (written in or copy of	Shipping label): 1252 W	4040141	619	2826
6) Was packing material used?		YES	NO	NA
Peanuts Bubble Wrap Foam Pap	per Other:			
7) Was sufficient ice used (if appropriate)? What kind?		YES	NO	NA
Blue Ice Ice Cooler Packs	s Dry Ice			
8) Were all sample containers sealed in sepa	arate plastic bags?	YES	NO	NA
9) Did all sample containers arrive in good of	condition?	YES	NO	NA
10) Were all sample container labels complete	e?	YES	NO	NA
11) Did all sample container labels and tags a	gree with the coc?	YES	NO	NA
12) Were correct sample containers used for t	the tests indicated?	YES	NO	(NA
13) Were VOA vials checked for absence of a	air bubbles (note if found)?	YES	NO	STA
14) Was a sufficient amount of sample sent in	n each sample container?	YES	NO	NA
15) Temperature of the samples upon receipt	(See SOP for proper temps)	16	<i>₺</i> •c	:
16) Sample location prior to login: R25 R3	9 R44 F44 Ambient S	helf Canna	bis Tab	ele Other:
Explain any discrepancies:				

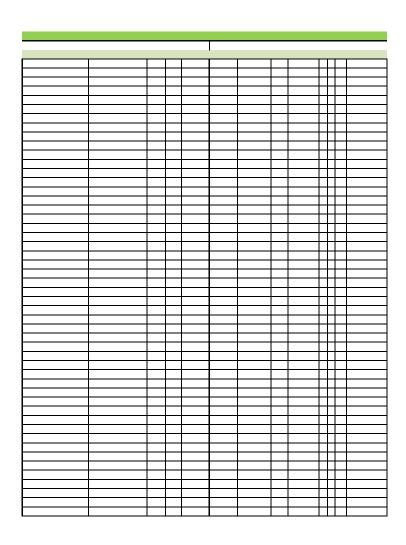




Report Number: 20-011625/D02.R00

11/02/2020 Report Date: ORELAP#: OR100028

Purchase Order:



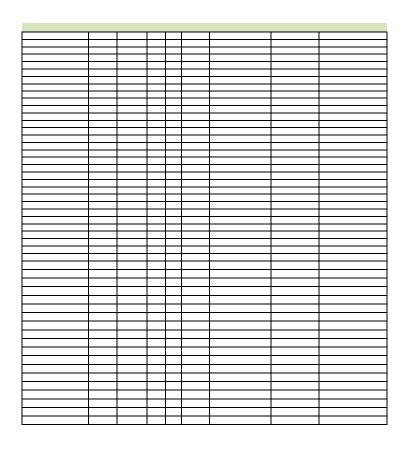




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Purchase Order:







Report Number: 20-011625/D02.R00

Report Date: 11/02/2020 **ORELAP#:** OR100028

Purchase Order:

Received: 10/27/20 10:00

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

Laboratory Quality Control Results

J AOAC 2015	5 V98-6			Bate	ch ID: 2009093		
Laboratory C	ontrol Sample						
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.222	0.2	%	111	85.0 - 115	Acceptable	
CBDV	0.228	0.2	%	114	85.0 - 115	Acceptable	
CBD-A	0.218	0.2	%	109	85.0 - 115	Acceptable	
CBG-A	0.220	0.2	%	110	85.0 - 115	Acceptable	
CBG	0.223	0.2	%	111	85.0 - 115	Acceptable	
CBD	0.211	0.2	%	105	85.0 - 115	Acceptable	
THCV	0.219	0.2	%	109	85.0 - 115	Acceptable	
THCVA	0.208	0.2	%	104	85.0 - 115	Acceptable	
CBN	0.217	0.2	%	108	85.0 - 115	Acceptable	
THC	0.210	0.2	%	105	85.0 - 115	Acceptable	
D8THC	0.211	0.2	%	106	85.0 - 115	Acceptable	
CBL	0.213	0.2	%	106	85.0 - 115	Acceptable	
CBC	0.216	0.2	%	108	85.0 - 115	Acceptable	
THCA	0.209	0.2	%	104	85.0 - 115	Acceptable	
CBCA	0.209	0.2	%	105	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: 20-011625/D02.R00

11/02/2020 Report Date: ORELAP#: OR100028

Purchase Order:

Received: 10/27/20 10:00

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

Laboratory Quality Control Results

J AOAC 2015	V98-6				Bato	h ID: 2009093		
Sample Dupli	cate				Samı	ole ID: 20-01162	25-0002	
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	0.204	0.205	0.1	%	0.529	< 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	0.816	0.808	0.1	%	0.945	< 20	Acceptable	
CBD	86.6	86.0	0.1	%	0.802	< 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	0.271	0.265	0.1	%	2.11	< 20	Acceptable	
THC	2.44	2.40	0.1	%	1.98	< 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	0.171	0.167	0.1	%	2.21	< 20	Acceptable	
CBC	0.786	0.771	0.1	%	1.92	< 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: 20-011625/D02.R00

Report Date: 11/02/2020 ORELAP#: OR100028

Purchase Order:

Received: 10/27/20 10:00

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			Ва	tch ID: 200909	3
Method Blank				Laboratory Cont				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	0.000	< 0.200		0.928	1.000	92.8	67.0 - 124	
Acequinocyl	0.000	< 1.000		3.753	4.000	93.8	68.8 - 128	
Acetamiprid	0.000	< 0.100		0.375	0.400	93.6	68.1 - 126	
Aldicarb	0.000	< 0.200		0.694	0.800	86.8	67.7 - 126	
Abamectin	0.000	< 0.288		0.956	1.000	95.6	67.8 - 126	
Azoxystrobin	0.000	< 0.100		0.367	0.400	91.6	68.1 - 126	
Bifenazate	0.000	< 0.100		0.382	0.400	95.6	67.1 - 125	
Bifenthrin	0.000	< 0.100		0.375	0.400	93.8	70.6 - 131	
Boscalid	0.000	< 0.100		0.854	0.800	106.7	67.6 - 126	
Carbaryl	0.000	< 0.100		0.357	0.400	89.2	68.6 - 127	
Carbofuran	0.000	< 0.100		0.364	0.400	91.0	67.6 - 126	
Chlorantraniliprol	0.000	< 0.100		0.413	0.400	103.4	67.9 - 126	
Chlorfenapyr	0.000	< 1.000		1.833	2.000	91.7	67.1 - 125	
Chlorpyrifos	0.000	< 0.100		0.360	0.400	90.0	68.9 - 128	
Clofentezine	0.000	< 0.100		0.359	0.400	89.8	66.0 - 123	
Cyfluthrin	0.000	< 1.000		1.729	2.000	86.4	69.8 - 130	
Cypermethrin	0.000	< 1.000		1.912	2.000	95.6	70.0 - 130	
Daminozide	0.000	< 1.000		1.757	2.000	87.8	64.9 - 121	
Diazinon	0.000	< 0.100		0.381	0.400	95.2	67.3 - 125	
Dichlorvos	0.000	< 0.500		1.870	2.000	93.5	67.3 - 125	
Dimethoat	0.000	< 0.100		0.381	0.400	95.3	67.6 - 126	
Ethoprophos	0.000	< 0.100		0.384	0.400	96.0	67.1 - 125	
Etofenprox	0.000	< 0.100		0.714	0.800	89.2	68.1 - 127	
Etoxazol	0.000	< 0.100		0.364	0.400	90.9	67.8 - 126	
Fenoxycarb	0.000	< 0.100		0.382	0.400	95.5	67.5 - 125	
Fenpyroximat	0.000	< 0.100		0.786	0.800	98.3	69.4 - 129	
Fipronil	0.000	< 0.100		0.788	0.800	98.5	69.6 - 129	
Flonicamid	0.000	< 0.400		0.976	1.000	97.6	68.2 - 127	
Fludioxonil	0.000	< 0.100		0.696	0.800	87.1	68.3 - 127	
Hexythiazox	0.000	< 0.400		0.924	1.000	92.4	70.4 - 131	
lmazalil	0.000	< 0.100		0.393	0.400	98.2	70.7 - 131	
Imidacloprid	0.000	< 0.200		0.774	0.800	96.7	66.7 - 124	
Kresoxim-Methyl	0.000	< 0.100		0.721	0.800	90.1	68.0 - 126	
Malathion	0.000	< 0.100		0.389	0.400	97.4	68.0 - 126	
Metalaxyl	0.000	< 0.100		0.347	0.400	86.8	67.4 - 125	
Methiocarb	0.000	< 0.100		0.365	0.400	91.2	67.8 - 126	
Methomyl	0.000	< 0.200		0.709	0.800	88.6	67.1 - 125	
MGK 264	0.000	< 0.100		0.381	0.400	95.3	68.3 - 127	
Myclobutanil	0.000	< 0.100		0.354	0.400	88.6	66.9 - 124	
Naled	0.000	< 0.200		0.981	1.000	98.1	68.0 - 126	
Oxamyl	0.000	< 0.400	1	1.793	2.000	89.6	66.7 - 124	
Paclobutrazol	0.000	< 0.200	1	0.744	0.800	93.0	66.2 - 123	
Parathion Methyl	0.000	< 0.200		0.685	0.800	85.6	72.1 - 134	
Permethrin	0.000	< 0.100		0.401	0.400	100.2	69.3 - 129	
Phosmet	0.000	< 0.100		0.374	0.400	93.4	68.1 - 127	
Piperonyl butoxide	0.000	< 1.000		1.809	2.000	90.4	69.0 - 128	
Prallethrin	0.000	< 0.200		0.399	0.400	99.7	67.9 - 126	
Propiconazole	0.000	< 0.200		0.769	0.800	96.1	68.0 - 126	
Propoxur	0.000	< 0.100		0.362	0.400	90.4	67.1 - 125	
Pyrethrins	0.000	< 0.500		0.335	0.413	81.1	69.9 - 130	
Pyridaben	0.000	< 0.100		0.394	0.400	98.5	74.3 - 138	
Spinosad	0.000	< 0.100	1	0.383	0.388	98.8	74.7 - 139	
Spiromesifen	0.000	< 0.100	1	0.392	0.400	97.9	70.1 - 130	
Spirotetramat	0.000	< 0.100		0.393	0.400	98.2	68.3 - 127	
Spiroxamine	0.000	< 0.100		0.756	0.800	94.4	67.9 - 126	
Tebuconazol	0.000	< 0.200		0.777	0.800	97.1	67.3 - 125	
Thiacloprid	0.000	< 0.100	1	0.376	0.400	93.9	67.5 - 125	-
Thiamethoxam	0.000	< 0.100		0.378	0.400	94.5	66.7 - 124	
	0.000	< 0.100	1	0.378	0.400	92.7	68.8 - 128	





Report Number: 20-011625/D02.R00

Report Date: 11/02/2020 ORELAP#: OR100028

Purchase Order:

Received: 10/27/20 10:00

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:				Results	Bat	tch ID: 200909	3
Matrix Spike/Matrix Spike Duplicate Recoveries Sample ID: 20-011369-0001									0001	
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	1.016	0.977	1.000	3.9	< 30	101.6	97.7	50 - 150	
Acequinocyl	0.118	2.800	2.669	4.000	4.8	< 30	67.0	63.8	50 - 150	
Acetamiprid	0.000	0.386	0.368	0.400	4.8	< 30	96.4	91.9	50 - 150	
Aldicarb	0.000	0.765	0.714	0.800	6.9	< 30	95.7	89.3	50 - 150	
Abamectin	0.000	0.850	0.806	1.000	5.4	< 30	85.0	80.6	50 - 150	
Azoxystrobin	0.015	0.362	0.323	0.400	11.3	< 30	86.9	77.2	50 - 150	
Bifenazate	0.000	0.386	0.361	0.400	6.6	< 30	96.5	90.3	50 - 150	
Bifenthrin	0.018	0.310	0.308	0.400	0.9	< 30	73.1	72.4	50 - 150	
Boscalid	0.000	0.728	0.712	0.800	2.2	< 30	91.0	89.0	50 - 150	
Carbaryl	0.000	0.380	0.350	0.400	8.3	< 30	95.1	87.5	50 - 150	
Carbofuran	0.004	0.345	0.322	0.400	6.8	< 30	85.3	79.6	50 - 150	
Chlorantraniliprol	0.009	0.400	0.404	0.400	1.0	< 30	97.6	98.6	50 - 150	
Chlorfenapyr	0.000	1.254	1.365	2.000	8.5	< 30	62.7	68.2	50 - 150	
Chlorpyrifos	0.000	0.177	0.165	0.400	7.6	< 30	44.4	41.1	50 - 150	Q
Clofentezine	0.002	0.203	0.188	0.400	7.4	< 30	50.1	46.5	50 - 150	Q
Cyfluthrin	0.000	1.298	1.318	2.000	1.5	< 30	64.9	65.9	30 - 150	
Cypermethrin	0.000	1.415	1.322	2.000	6.8	< 30	70.8	66.1	50 - 150	
Daminozide	0.006	1.747	1.755	2.000	0.5	< 30	87.1	87.5	30 - 150	
Diazinon	0.000	0.334	0.310	0.400	7.5	< 30	83.5	77.4	50 - 150	
Dichlorvos	0.000	1.808	1.836	2.000	1.5	< 30	90.4	91.8	50 - 150	
Dimethoat	0.005	0.362	0.370	0.400	2.1	< 30	89.4	91.3	50 - 150	
Ethoprophos	0.000	0.352	0.365	0.400	3.5	< 30	88.0	91.2	50 - 150	
Etofenprox	0.010	0.468	0.410	0.800	13.2	< 30	57.2	50.0	50 - 150	
Etoxazol	0.015	0.349	0.390	0.400	11.2	< 30	83.5	93.8	50 - 150	
Fenoxycarb	0.000	0.333	0.310	0.400	7.4	< 30	83.4	77.4	50 - 150	
Fenpyroximat	0.000	0.636	0.599	0.800	6.0	< 30	79.5	74.9	50 - 150	
Fipronil	0.044	0.514	0.513	0.800	0.1	< 30	58.8	58.7	50 - 150	
Flonicamid	0.000	0.945	0.956	1.000	1.2	< 30	94.5	95.6	50 - 150	
Fludioxonil	0.000	0.811	0.817	0.800	0.8	< 30	101.4	102.2	50 - 150	
Hexythiazox	0.010	0.719	0.651	1.000	9.9	< 30	70.9	64.1	50 - 150	
lmazalil	0.000	0.316	0.298	0.400	6.0	< 30	79.1	74.5	50 - 150	
Imidacloprid	0.000	0.811	0.665	0.800	19.7	< 30	101.4	83.2	50 - 150	
Kresoxim-Methyl	0.000	0.709	0.675	0.800	5.0	< 30	88.6	84.3	50 - 150	
Malathion	0.010	0.386	0.374	0.400	3.1	< 30	94.0	91.1	50 - 150	
Metalaxyl	0.000	0.379	0.355	0.400	6.5	< 30	94.7	88.7	50 - 150	
Methiocarb	0.016	0.398	0.376	0.400	5.7	< 30	95.4	89.9	50 - 150	
Methomyl	0.000	0.782	0.729	0.800	7.0	< 30	97.8	91.2	50 - 150	
MGK 264	0.000	0.104	0.094	0.400	9.3	< 30	25.9	23.6	50 - 150	Q
Myclobutanil	0.039	0.444	0.405	0.400	9.2	< 30	101.1	91.4	50 - 150	
Naled	0.000	0.724	0.802	1.000	10.2	< 30	72.4	80.2	50 - 150	
Oxamyl	0.000	1.953	1.927	2.000	1.3	< 30	97.6	96.3	50 - 150	
Paclobutrazol	0.028	0.670	0.638	0.800	4.9	< 30	80.2	76.2	50 - 150	
Parathion Methyl	0.022	0.803	0.885	0.800	9.7	< 30	97.6	107.8	30 - 150	
Permethrin	0.000	0.279	0.272	0.400	2.7	< 30	69.8	67.9	50 - 150	
Phosmet	0.000	0.378	0.375	0.400	1.0	< 30	94.6	93.6	50 - 150	
Piperonyl butoxide	0.067	1.669	1.701	2.000	1.9	< 30	80.1	81.7	50 - 150	
Prallethrin	0.787	1.129	1.075	0.400	4.9	< 30	85.6	72.1	50 - 150	
Propiconazole	0.000	0.709	0.633	0.800	11.3	< 30	88.6	79.2	50 - 150	
Propoxur	0.005	0.384	0.372	0.400	3.3	< 30	94.8	91.7	50 - 150	
Pyrethrins	0.022	0.322	0.304	0.413	5.8	< 30	72.6	68.3	50 - 150	
Pyridaben	0.005	0.361	0.331	0.400	8.7	< 30	89.0	81.5	50 - 150	
Spinosad	0.001	0.287	0.278	0.388	3.2	< 30	73.8	71.5	50 - 150	
Spiromesifen	0.000	0.267	0.248	0.400	7.4	< 30	66.8	62.0	50 - 150	
Spirotetramat	0.002	0.454	0.440	0.400	3.2	< 30	113.0	109.4	50 - 150	
Spiroxamine	0.012	0.738	0.731	0.800	0.9	< 30	90.7	89.8	50 - 150	
Tebuconazol	0.000	0.667	0.657	0.800	1.6	< 30	83.4	82.1	50 - 150	
Thiadoprid	0.000	0.383	0.370	0.400	3.5	< 30	95.7	92.4	50 - 150	
Thiamethoxam	0.000	0.392	0.359	0.400	8.6	< 30	98.0	89.9	50 - 150	
Trifloxystrobin	0.004	0.305	0.281	0.400	5.5	< 30	75.3	69.3	50 - 150	





Report Number: 20-011625/D02.R00

Report Date: 11/02/2020 **ORELAP#:** OR100028

Purchase Order:

Received: 10/27/20 10:00

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.					