



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

Product identity: CBD Flower
Laboratory ID: 19-006044-0004

Client/Metric ID: .
Sample Date:

Summary

Water Activity and Moisture:

Analyte	Result	Limits
Moisture (Loss on Drying)	8.69	15.0
Water Activity	0.354	0.650

Pesticides:

<i>All analytes passing and less than LOQ.</i>
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Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
farnesene [†]	0.392	48.29	β-Caryophyllene [†]	0.126	15.57
α-Bisabolol [†]	0.0955	11.75	Humulene [†]	0.0670	8.25
(-)-Guaiol [†]	0.0532	6.56	β-Myrcene [†]	0.0432	5.32
(-)-caryophyllene oxide [†]	0.0348	4.29			

Microbiology:

Analyte	Result	Limits	Analyte	Result	Limits
Yeast	3,300		Mold	130	



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

Customer: FlowerChild

Product identity: CBD Flower

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-006044-0004

Relinquished by: Received By Mail

Temp: 20.6 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1904749	06/01/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1904749	06/01/19	AOAC 991.14 (Petrifilm)	X
Mold	130		cfu/g	10	1904750	06/01/19	AOAC 2014.05 (RAPID)	X
Yeast	3,300		cfu/g	100	1904750	06/01/19	AOAC 2014.05 (RAPID)	X

Water Activity and Moisture

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Moisture (Loss on Drying)	8.69	15.0	%	0.0500	1904848	05/31/19	AOAC 966.02	
Water Activity	0.354	0.650	aw	0.0300	1904963	06/05/19	AOAC 978.18	



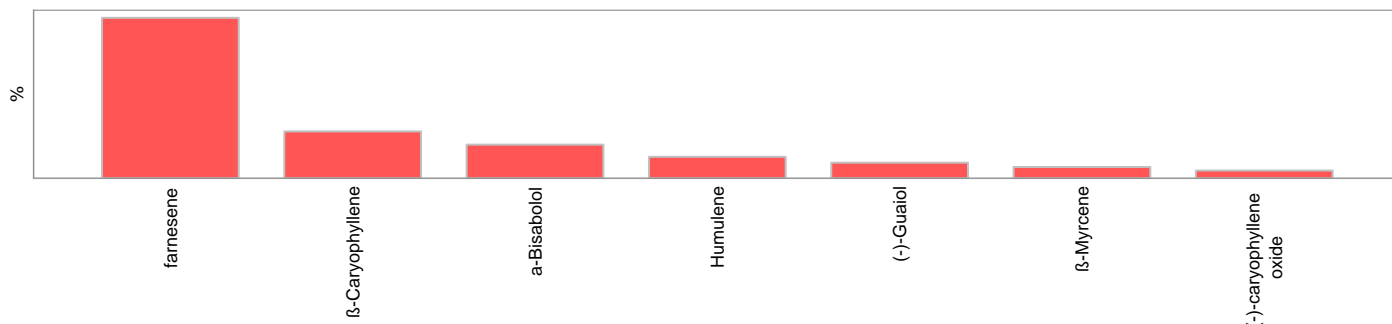
This report cannot be used for ODA, OHA or OLCC compliance requirements.

Pesticides						Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1904819 Analyze 05/31/19 01:38 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	0.100	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		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 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		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							



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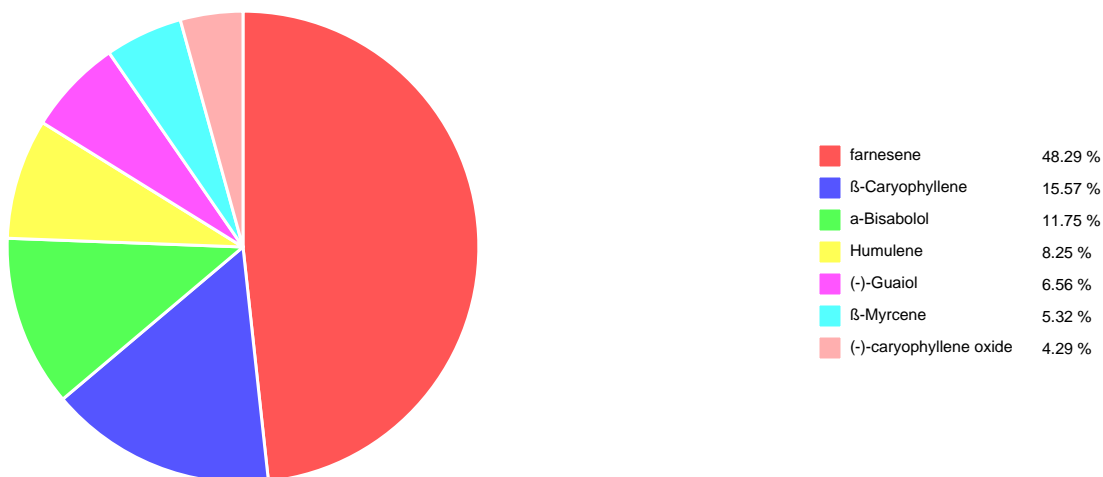
Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 1904871	Analyze 06/03/19 10:31 AM			
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes	
farnesene [†]	0.392	0.020	48.29%		β-Caryophyllene [†]	0.126	0.020	15.57%		
α-Bisabolol [†]	0.0955	0.020	11.75%		Humulene [†]	0.0670	0.020	8.25%		
(-)-Guaiol [†]	0.0532	0.020	6.56%		β-Myrcene [†]	0.0432	0.020	5.32%		
(-)-caryophyllene oxide [†]	0.0348	0.020	4.29%		valencene [†]	< LOQ	0.020	0.00%		
(±)-trans-Nerolidol [†]	< LOQ	0.020	0.00%		(-)-α-Terpineol [†]	< LOQ	0.020	0.00%		
(-)-Isopulegol [†]	< LOQ	0.020	0.00%		(-)-β-Pinene [†]	< LOQ	0.020	0.00%		
(+)-Borneol [†]	< LOQ	0.020	0.00%		(+)-Cedrol [†]	< LOQ	0.020	0.00%		
(+)-fenchol [†]	< LOQ	0.020	0.00%		(+)-Pulegone [†]	< LOQ	0.020	0.00%		
(±)-Camphor [†]	< LOQ	0.020	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.020	0.00%		
(±)-fenchone [†]	< LOQ	0.020	0.00%		(R)-(+)-Limonene [†]	< LOQ	0.020	0.00%		
α-cedrene [†]	< LOQ	0.020	0.00%		α-phellandrene [†]	< LOQ	0.020	0.00%		
α-pinene [†]	< LOQ	0.020	0.00%		α-Terpinene [†]	< LOQ	0.020	0.00%		
Camphene [†]	< LOQ	0.020	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%		
d-3-Carene [†]	< LOQ	0.020	0.00%		Eucalyptol [†]	< LOQ	0.020	0.00%		
γ-Terpinene [†]	< LOQ	0.020	0.00%		Geraniol [†]	< LOQ	0.020	0.00%		
Geranyl acetate [†]	< LOQ	0.020	0.00%		Isoborneol [†]	< LOQ	0.020	0.00%		
Linalool [†]	< LOQ	0.020	0.00%		Menthol [†]	< LOQ	0.020	0.00%		
nerol [†]	< LOQ	0.020	0.00%		p-Cymene [†]	< LOQ	0.020	0.00%		
Sabinene [†]	< LOQ	0.020	0.00%		Sabinene hydrate [†]	< LOQ	0.020	0.00%		
Terpinolene [†]	< LOQ	0.020	0.00%		trans-β-Ocimene [†]	< LOQ	0.013	0.00%		
Total Terpenes	0.81									





Job Number: 19-006044
Report Number: 19-006044-000
Report Date: 06/11/2019
ORELAP#: OR100028
Purchase Order:
Received: 05/28/19 12:49

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





This report cannot be used for ODA, 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.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

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

% = Percentage of sample

aw = Water Activity

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794			Cannabis Chain of Custody Receipt								FLOWERCHILD 19-006044		PIXIS Labs member of Tentamus	
Company: <u>FlowerChild</u> Contact: <u>Kevin</u> Address: Email: <u>kyockers@hotmail.com</u> Phone: <u>541-384-6872</u> Processor's License: <u>N/A</u>			Analysis Requested: <u>AKA weed</u> <u>Microbiology</u> <u>coliforms</u>								FlowerChild 		Purchase Order Number: Project Number: Project Name: <input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other:	
Field ID	Date/Time Collected	Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals	Matrix	Weight	Serving size for edibles	Comments/Metric ID	Cont #'s
<u>CBD 700</u>			X	X			X							
<u>CBG 700</u>			X	X			X							
<u>CBD Salve 700</u>			X	X			X							
<u>CBD Flower</u>		X			X	X	X	X	X				<u>Insufficient sample to</u>	
<u>CBG Flower</u>		X			X	X	X	X	X				<u>complete metals testing</u>	
<u>*per call w/ Kevin BM. 5/29/19 w/ 6/11/19</u>														
Collected By:	Relinquished By:	Date	Time	Received By:	Date	Time	Labs Use Only: Client Alias: Order Number: <input type="checkbox"/> Proper Container <input type="checkbox"/> Sample Condition <input type="checkbox"/> Temperature <input checked="" type="checkbox"/> Shipped Via: <u>uses</u> Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
<input checked="" type="checkbox"/> Standard 5 day <input type="checkbox"/> Rush (1.5 x Standard) <input type="checkbox"/> Priority Rush (2 x Standard) Ask About Availability				<u>JmV</u>	<u>5-28-19</u>	<u>12:49</u>								

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Original COC - emailed to client for signature.



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

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PIXIS Labs
Member of Tentamus

Company: <u>Flower Child</u> Contact: <u>Kevin</u> Address: _____ Email: <u>kyockers@hotmail.com</u> Phone: <u>541-384-6872</u> Processor's License: <u>N/A</u>		Analysis Requested										Purchase Order Number: _____ Project Number: _____ Project Name: _____ <input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other: _____		
Field ID	Date/Time Collected	Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals	Matrix	Weight	Serving size for edibles	Comments/Metric ID	Cont #'s
CBD 700			X	X			X							
CBG 700			X	X			X							
CBD Salve 700			X	X			X							
CBD Flower		X			X	X		X	X					
CBG Flower		X			X	X		X	X					

Collected By:	Relinquished By:	Date	Time	Received By:	Date	Time	
<input checked="" type="checkbox"/> Standard 5 day <input type="checkbox"/> Rush (1.5 x Standard) <input type="checkbox"/> Priority Rush (2 x Standard) Ask About Availability		5/28/19	2:00 PM	JmV	5-28-19	12:47	

Labs Use Only:
 Client Alias: _____
 Order Number: _____
☐ Proper Container
☐ Sample Condition
☒ Temperature 20.6
☒ Shipped Via: UPS
 Evidence of cooling: ☐ Yes ☒ No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Updated COC w/ signature.



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



**Columbia Food/Pixis Labs
Sample Receipt Form**

Revision: 1.00 Document Control: CF015
Revised: 04/25/2019 Effective: 05/11/2019

Job Number: 19-006044 Search Name: Flower Child

Package/Cooler opened on (if different than received date/time) Date: 5-28-19 Time: 12:49

Received By (Initials): JV

1) Were custody seals on outside of the package/cooler? YES NO NA
If YES, how many and where? _____

Were signature and date correct? _____ YES NO NA

2) Were custody papers included in the package/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 appropriate place? YES NO NA

5) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 9400 1118 9956 1670 4171 31

6) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other: _____

7) Was sufficient ice used (if appropriate)? YES NO NA
What kind?

Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the coc? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

15) Temperature of the samples upon receipt (See SOP for proper temps) 20.6°C

16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: _____

Page 1 of 1



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

Revision: 0.01 Control: CFL-C22
 Revised: 12/4/2018 Effective: 12/4/2018

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg		Batch ID: 1904819			
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		0.849	1.000	84.9	70 - 130	
Acequinocyl	ND	< 1.000		3.500	4.000	87.5	70 - 130	
Acetamiprid	ND	< 0.100		0.360	0.400	90.0	70 - 130	
Aldicarb	ND	< 0.200		0.642	0.800	80.3	70 - 130	
Abamectin	ND	< 0.288		0.903	1.000	90.3	70 - 130	
Azoxystrobin	ND	< 0.100		0.368	0.400	92.0	70 - 130	
Bifenazate	ND	< 0.100		0.356	0.400	89.0	70 - 130	
Bifenthrin	ND	< 0.100		0.360	0.400	90.0	70 - 130	
Boscalid	ND	< 0.100		0.701	0.800	87.6	70 - 130	
Carbaryl	ND	< 0.100		0.361	0.400	90.3	70 - 130	
Carbofuran	ND	< 0.100		0.368	0.400	92.0	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.340	0.400	85.0	70 - 130	
Chlorfenapyr	ND	< 1.000		1.760	2.000	88.0	70 - 130	
Chlorpyrifos	ND	< 0.100		0.367	0.400	91.8	70 - 130	
Clofentezine	ND	< 0.100		0.297	0.400	74.3	70 - 130	
Cyfluthrin	ND	< 1.000		1.950	2.000	97.5	30 - 150	
Cypermethrin	ND	< 1.000		1.800	2.000	90.0	70 - 130	
Daminozide	ND	< 1.000		0.726	2.000	36.3	30 - 150	
Diazinon	ND	< 0.100		0.368	0.400	92.0	70 - 130	
Dichlorvos	ND	< 0.500		1.870	2.000	93.5	70 - 130	
Dimethoat	ND	< 0.100		0.347	0.400	86.8	70 - 130	
Ethoprophos	ND	< 0.100		0.356	0.400	89.0	70 - 130	
Etofenprox	ND	< 0.100		0.716	0.800	89.5	70 - 130	
Etoxazol	ND	< 0.100		0.361	0.400	90.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.345	0.400	86.3	70 - 130	
Fenpyroximat	ND	< 0.100		0.724	0.800	90.5	70 - 130	
Fipronil	ND	< 0.100		0.712	0.800	89.0	70 - 130	
Flonicamid	ND	< 0.400		0.862	1.000	86.2	70 - 130	
Fludioxonil	ND	< 0.100		0.689	0.800	86.1	70 - 130	
Hexythiazox	ND	< 0.400		0.935	1.000	93.5	70 - 130	
Imazalil	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Imidacloprid	ND	< 0.200		0.668	0.800	83.5	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.729	0.800	91.1	70 - 130	
Malathion	ND	< 0.100		0.358	0.400	89.5	70 - 130	
Metaxyl	ND	< 0.100		0.353	0.400	88.3	70 - 130	
Methiocarb	ND	< 0.100		0.334	0.400	83.5	70 - 130	
Methomyl	ND	< 0.200		0.712	0.800	89.0	70 - 130	
MGK 264	ND	< 0.100		0.368	0.400	92.0	70 - 130	
Myclobutanil	ND	< 0.100		0.345	0.400	86.3	70 - 130	
Naled	ND	< 0.200		0.859	1.000	85.9	70 - 130	
Oxamyl	ND	< 0.400		1.790	2.000	89.5	70 - 130	
Paclobutrazol	ND	< 0.200		0.707	0.800	88.4	70 - 130	
Parathion Methyl	ND	< 0.200		0.736	0.800	92.0	30 - 150	
Permethrin	ND	< 0.100		0.341	0.400	85.3	70 - 130	
Phosmet	ND	< 0.100		0.346	0.400	86.5	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.720	2.000	86.0	70 - 130	
Prallethrin	ND	< 0.200		0.362	0.400	90.5	70 - 130	
Propiconazole	ND	< 0.200		0.717	0.800	89.6	70 - 130	
Propoxur	ND	< 0.100		0.357	0.400	89.3	70 - 130	
Pyrethrins	ND	< 0.500		0.248	0.284	87.3	70 - 130	
Pyridaben	ND	< 0.100		0.366	0.400	91.5	70 - 130	
Spinosad	ND	< 0.100		0.380	0.388	97.9	70 - 130	
Spiromesifen	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Spirotetramat	ND	< 0.100		0.334	0.400	83.5	70 - 130	
Spiroxamine	ND	< 0.100		0.730	0.800	91.3	70 - 130	
Tebuconazol	ND	< 0.200		0.690	0.800	86.3	70 - 130	
Thiacloprid	ND	< 0.100		0.354	0.400	88.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.291	0.400	72.8	70 - 130	
Trifloxystrobin	ND	< 0.100		0.351	0.400	87.8	70 - 130	



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

Revision: 0.01 Control: CFL-C22
Revised: 12/4/2018 Effective: 12/4/2018

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662				Units: mg/Kg		Batch ID: 1904819				
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 19-006044-0005					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes	
Acephate	0.092	0.942	0.947	1.000	0.5	< 30	85.0	85.5	50 - 150	
Acequinocyl	0.188	4.240	4.490	4.000	5.7	< 30	101.3	107.6	50 - 150	
Acetamiprid	0.000	0.370	0.371	0.400	0.3	< 30	92.5	92.8	50 - 150	
Aldicarb	0.000	0.687	0.683	0.800	0.6	< 30	85.9	85.4	50 - 150	
Abamectin	0.000	0.912	0.916	1.000	0.4	< 30	91.2	91.6	50 - 150	
Azoxystrobin	0.007	0.405	0.400	0.400	1.2	< 30	99.5	98.2	50 - 150	
Bifenazate	0.000	0.381	0.396	0.400	3.9	< 30	95.3	99.0	50 - 150	
Bifenthrin	0.010	0.383	0.396	0.400	3.3	< 30	93.2	96.4	50 - 150	
Boscalid	0.005	0.763	0.780	0.800	2.2	< 30	94.8	96.9	50 - 150	
Carbaryl	0.000	0.389	0.390	0.400	0.3	< 30	97.3	97.5	50 - 150	
Carbofuran	0.000	0.414	0.405	0.400	2.2	< 30	103.5	101.3	50 - 150	
Chlorantraniliprol	0.000	0.335	0.348	0.400	3.8	< 30	83.8	87.0	50 - 150	
Chlorfenapyr	0.000	1.720	1.870	2.000	8.4	< 30	86.0	93.5	50 - 150	
Chlorpyrifos	0.062	0.524	0.536	0.400	2.3	< 30	115.6	118.6	50 - 150	
Clofentezine	0.009	0.273	0.277	0.400	1.5	< 30	66.1	67.1	50 - 150	
Cyfluthrin	0.071	1.440	1.490	2.000	3.4	< 30	68.5	71.0	30 - 150	
Cypermethrin	0.013	2.090	2.070	2.000	1.0	< 30	103.8	102.8	50 - 150	
Daminozide	0.017	0.728	0.734	2.000	0.8	< 30	35.5	35.8	30 - 150	
Diazinon	0.000	0.345	0.353	0.400	2.3	< 30	86.3	88.3	50 - 150	
Dichlorvos	0.000	2.100	2.060	2.000	1.9	< 30	105.0	103.0	50 - 150	
Dimethoat	0.004	0.365	0.366	0.400	0.3	< 30	90.3	90.6	50 - 150	
Ethoprophos	0.003	0.387	0.382	0.400	1.3	< 30	96.0	94.7	50 - 150	
Etofenprox	0.020	0.793	0.789	0.800	0.5	< 30	96.6	96.1	50 - 150	
Etoxazol	0.000	0.416	0.421	0.400	1.2	< 30	104.0	105.3	50 - 150	
Fenoxycarb	0.000	0.364	0.359	0.400	1.4	< 30	91.0	89.8	50 - 150	
Fenpyroximat	0.010	0.840	0.820	0.800	2.4	< 30	103.8	101.3	50 - 150	
Fipronil	0.000	0.738	0.714	0.800	3.3	< 30	92.3	89.3	50 - 150	
Flonicamid	0.000	0.870	0.869	1.000	0.1	< 30	87.0	86.9	50 - 150	
Fludioxonil	0.000	0.711	0.826	0.800	15.0	< 30	88.9	103.3	50 - 150	
Hexythiazox	0.000	2.170	2.200	1.000	1.4	< 30	217.0	220.0	50 - 150	
Imazalil	0.000	0.412	0.404	0.400	2.0	< 30	103.0	101.0	50 - 150	
Imidacloprid	0.000	0.690	0.687	0.800	0.4	< 30	86.3	85.9	50 - 150	
Kresoxim-Methyl	0.000	0.648	0.648	0.800	0.0	< 30	81.0	81.0	50 - 150	
Malathion	0.002	0.419	0.411	0.400	1.9	< 30	104.3	102.3	50 - 150	
Metaxalyl	0.000	0.410	0.405	0.400	1.2	< 30	102.5	101.3	50 - 150	
Methiocarb	0.016	0.378	0.368	0.400	2.7	< 30	90.6	88.1	50 - 150	
Methomyl	0.000	0.691	0.696	0.800	0.7	< 30	86.4	87.0	50 - 150	
MGK 264	0.012	0.381	0.390	0.400	2.3	< 30	92.2	94.4	50 - 150	
Myclobutanil	0.001	0.383	0.378	0.400	1.3	< 30	95.5	94.3	50 - 150	
Naled	0.045	0.914	0.937	1.000	2.5	< 30	86.9	89.2	50 - 150	
Oxamyl	0.000	1.770	1.780	2.000	0.6	< 30	88.5	89.0	50 - 150	
Paclobutrazol	0.000	0.744	0.733	0.800	1.5	< 30	93.0	91.6	50 - 150	
Parathion Methyl	0.013	0.792	0.820	0.800	3.5	< 30	97.3	100.8	30 - 150	
Permethrin	0.012	0.345	0.375	0.400	8.3	< 30	83.2	90.7	50 - 150	
Phosmet	0.005	0.362	0.365	0.400	0.8	< 30	89.3	90.0	50 - 150	
Piperonyl butoxide	0.048	1.850	2.030	2.000	9.3	< 30	90.1	99.1	50 - 150	
Prallethrin	0.012	0.550	0.556	0.400	1.1	< 30	134.6	136.1	50 - 150	
Propiconazole	0.000	0.724	0.725	0.800	0.1	< 30	90.5	90.6	50 - 150	
Propoxur	0.006	0.397	0.394	0.400	0.8	< 30	97.8	97.0	50 - 150	
Pyrethrins	0.001	0.296	0.305	0.284	3.0	< 30	104.0	107.2	50 - 150	
Pyridaben	0.008	0.531	0.536	0.400	0.9	< 30	130.7	132.0	50 - 150	
Spinosad	0.000	0.349	0.361	0.388	3.4	< 30	89.9	93.0	50 - 150	
Spiromesifen	0.005	0.867	0.895	0.400	3.2	< 30	215.6	222.6	50 - 150	
Spirotetramat	0.000	0.342	0.333	0.400	2.7	< 30	85.5	83.3	50 - 150	
Sproxamine	0.000	0.822	0.806	0.800	2.0	< 30	102.8	100.8	50 - 150	
Tebuconazol	0.000	0.755	0.742	0.800	1.7	< 30	94.4	92.8	50 - 150	
Thiacloprid	0.000	0.378	0.379	0.400	0.3	< 30	94.5	94.8	50 - 150	
Thiamethoxam	0.009	0.358	0.356	0.400	0.6	< 30	87.2	86.7	50 - 150	
Trifloxystrobin	0.011	0.398	0.395	0.400	0.5	< 30	96.7	96.0	50 - 150	



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

Laboratory Quality Control Results

Moisture AOAC 966.02 **Batch ID: 1904848**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Accept/Fail	Notes
Moisture	99.84	99.86	%	100.0	90 - 110	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limit	Accept/Fail	Notes
Moisture	ND	0.1	%	< 0.1	Acceptable	

Sample Duplicate

Sample ID: 19-006044-0004

Analyte	Result	Org. Result	LOQ	Units	RPD Limits	Accept/Fail	Notes
Moisture	8.9	8.7	0.1	%	2.2 < 5	Acceptable	

Abbreviations

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

Units of Measure:

Aw- Water Activity Unit
% - Percent



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

Laboratory Terpene Quality Control Results

EPA 5035				Batch ID: 1904871					
Method Blank				Laboratory Control Sample					
Analyte	Result	Blank	Notes	Result	LCS Spike	Units	LCS % Rec	Limits	Notes
a-pinene	ND	< 200		586	500	µg/g	117	70 - 130	
Camphene	ND	< 200		533	500	µg/g	107	70 - 130	
Sabinene	ND	< 200		576	500	µg/g	115	70 - 130	
b-Pinene	ND	< 200		570	500	µg/g	114	70 - 130	
b-Myrcene	ND	< 200		542	500	µg/g	108	70 - 130	
a-phellandrene	ND	< 200		571	500	µg/g	114	70 - 130	
d-3-Carene	ND	< 200		548	500	µg/g	110	70 - 130	
a-Terpinene	ND	< 200		630	500	µg/g	126	70 - 130	
p-Cymene	ND	< 200		532	500	µg/g	106	70 - 130	
D-Limonene	ND	< 200		583	500	µg/g	117	70 - 130	
Eucalyptol	ND	< 200		532	500	µg/g	106	70 - 130	
b-cis-Ocimene	ND	< 66.7		154	167	µg/g	92.5	70 - 130	
b-trans-Ocimene	ND	< 133		373	333	µg/g	112	70 - 130	
g-Terpinene	ND	< 200		584	500	µg/g	117	70 - 130	
Sabinene_Hydrate	ND	< 200		595	500	µg/g	119	70 - 130	
Terpinolene	ND	< 200		605	500	µg/g	121	70 - 130	
D-Fenchone	ND	< 200		598	500	µg/g	120	70 - 130	
Linalool	ND	< 200		557	500	µg/g	111	70 - 130	
Fenchol	ND	< 200		606	500	µg/g	121	70 - 130	
Camphor	ND	< 200		524	500	µg/g	105	70 - 130	
Isopulego	ND	< 200		502	500	µg/g	100	70 - 130	
Isoborneol	ND	< 200		492	500	µg/g	98.4	70 - 130	
Borneol	ND	< 200		611	500	µg/g	122	70 - 130	
DL-Menthol	ND	< 200		518	500	µg/g	104	70 - 130	
Terpineol	ND	< 200		373	500	µg/g	74.6	70 - 130	
Nerol	ND	< 200		494	500	µg/g	98.8	70 - 130	
Pulegone	ND	< 200		637	500	µg/g	127	70 - 130	
Geraniol	ND	< 200		581	500	µg/g	116	70 - 130	
Geranyl_Acetate	ND	< 200		529	500	µg/g	106	70 - 130	
a-Cedrene	ND	< 200		614	500	µg/g	123	70 - 130	
b-Caryophyllene	ND	< 200		536	500	µg/g	107	70 - 130	
a-Humulene	ND	< 200		609	500	µg/g	122	70 - 130	
Valenene	ND	< 200		558	500	µg/g	112	70 - 130	
cis-Nerolidol	ND	< 200		573	500	µg/g	115	70 - 130	
a-Farnesene	ND	< 200		604	500	µg/g	121	70 - 130	
trans-Nerolidol	ND	< 122		623	500	µg/g	125	70 - 130	
Caryophyllene_Oxide	ND	< 200		534	500	µg/g	107	70 - 130	
Guaial	ND	< 200		629	500	µg/g	126	70 - 130	
Cedrol	ND	< 200		530	500	µg/g	106	70 - 130	
a-Bisabolol	ND	< 200		550	500	µg/g	110	70 - 130	



Job Number: 19-006044
Report Number: 19-006044-000
Report Date: 06/11/2019
ORELAP#: OR100028
Purchase Order:
Received: 05/28/19 12:49

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

Sample/Sample Duplicate				Sample ID: 19-006044-0004					
Analyte	Result	Org. Result	LOQ	Units	RPD, %	Sample Duplicate	% Limits	Notes	
a-pinene	ND	ND	200	µg/g	0	< 20	80 - 120		
Camphene	ND	ND	200	µg/g	0	< 20	80 - 120		
Sabinene	ND	ND	200	µg/g	0	< 20	80 - 120		
b-Pinene	ND	ND	200	µg/g	0	< 20	80 - 120		
b-Myrcene	491.5	431.9	200	µg/g	6.45	< 20	80 - 120		
a-phellandrene	ND	ND	200	µg/g	0	< 20	80 - 120		
d-3-Carene	ND	ND	200	µg/g	0	< 20	80 - 120		
a-Terpinene	ND	ND	200	µg/g	0	< 20	80 - 120		
p-Cymene	ND	ND	200	µg/g	0	< 20	80 - 120		
D-Limonene	ND	ND	200	µg/g	0	< 20	80 - 120		
Eucalyptol	ND	ND	200	µg/g	0	< 20	80 - 120		
b-cis-Ocimene	ND	ND	66.7	µg/g	0	< 20	80 - 120		
b-trans-Ocimene	ND	ND	133	µg/g	0	< 20	80 - 120		
g-Terpinene	ND	ND	200	µg/g	0	< 20	80 - 120		
Sabinene Hydrate	ND	ND	200	µg/g	0	< 20	80 - 120		
Terpinolene	ND	ND	200	µg/g	0	< 20	80 - 120		
D-Fenchone	ND	ND	200	µg/g	0	< 20	80 - 120		
Linalool	ND	ND	200	µg/g	0	< 20	80 - 120		
Fenchol	ND	ND	200	µg/g	0	< 20	80 - 120		
Camphor	ND	ND	200	µg/g	0	< 20	80 - 120		
Isopulego	ND	ND	200	µg/g	0	< 20	80 - 120		
Isoborneol	ND	ND	200	µg/g	0	< 20	80 - 120		
Borneol	ND	ND	200	µg/g	0	< 20	80 - 120		
DL-Menthol	ND	ND	200	µg/g	0	< 20	80 - 120		
Terpineol	ND	ND	200	µg/g	0	< 20	80 - 120		
Nerol	ND	ND	200	µg/g	0	< 20	80 - 120		
Pulegone	ND	ND	200	µg/g	0	< 20	80 - 120		
Geraniol	ND	ND	200	µg/g	0	< 20	80 - 120		
Geranyl Acetate	ND	ND	200	µg/g	0	< 20	80 - 120		
a-Cedrene	ND	ND	200	µg/g	0	< 20	80 - 120		
b-Caryophyllene	1465	1264	200	µg/g	7.37	< 20	80 - 120		
a-Humulene	784.1	669.9	200	µg/g	7.85	< 20	80 - 120		
Valenene	ND	162.3	200	µg/g	0	< 20	80 - 120		
cis-Nerolidol	ND	ND	200	µg/g	0	< 20	80 - 120		
a-Farnesene	4674	3921	200	µg/g	8.76	< 20	80 - 120		
trans-Nerolidol	133.3	95.37	122	µg/g	16.6	< 20	80 - 120		
Caryophyllene Oxide	426.1	348.2	200	µg/g	10.1	< 20	80 - 120		
Guaiaol	659.1	532.4	200	µg/g	10.6	< 20	80 - 120		
Cedrol	ND	ND	200	µg/g	0	< 20	80 - 120		
a-Bisabolol	1140	954.5	200	µg/g	8.86	< 20	80 - 120		



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

Laboratory Quality Control Results

Water Activity AOAC 978.18 **Batch ID: 1904963**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Accept/Fail	Notes
Water Activity	0.501	0.5	Aw	100.2	90 - 110	Acceptable	

Sample Duplicate **Sample ID: 19-006044-0005**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Water Activity	0.360	0.359	0.03	Aw	0.3	< 5	Acceptable	

Abbreviations

RPD - Relative Percent Difference

LOQ - Limit of Quantitation

Units of Measure:

Aw - Water Activity Unit



This report cannot be used for ODA, 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	Quantitation 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.