



Customer: Healthy Roots
Product identity: 60 Count PetChew
Client/Metric ID: .
Laboratory ID: 20-001427-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	0.253		%		CBD-Total per 125g 316 mg/125g
Δ9-THC	0.00446		%		THC-Total per 125g < 7.825 mg/125g
Analyte per 125g	Result	Limits	Units	Status	(Reported in milligrams per serving)
CBD per 125g	316		mg/125g		
Δ9-THC per 125g	5.58		mg/125g		

Pesticides:

All analytes passing and less than LOQ.

Metals:

Analyte	Result	Limits	Analyte	Result	Limits
Cadmium	0.118		Arsenic	0.0966	
Lead	0.0763				



Customer: Healthy Roots

Product identity: 60 Count PetChew

Client/Metric ID: .

Sample Date:

Laboratory ID: 20-001427-0001

Relinquished by: Jason M

Temp: 22.5 °C

Serving Size #1: 125 g

Sample Results

Potency		Batch: 2001264					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBC-A [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBC-Total [†]	0.00293		%	0.0060	02/11/20	J AOAC 2015 V98-6	
CBD	0.253		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBD-Total	0.253		%	0.0060	02/11/20	J AOAC 2015 V98-6	
CBDV [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBDV-A [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBDV-Total [†]	< LOQ		%	0.0060	02/11/20	J AOAC 2015 V98-6	
CBG [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBG-A [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBG-Total [†]	< LOQ		%	0.0060	02/11/20	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
Δ8-THC [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
Δ9-THC	0.00446		%	0.0032	02/07/20	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
THC-Total	0.00446		%	0.0060	02/11/20	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
THCV-A [†]	< LOQ		%	0.0032	02/07/20	J AOAC 2015 V98-6	
THCV-Total [†]	< LOQ		%	0.0060	02/11/20	J AOAC 2015 V98-6	

Potency per 125g		Batch: 2001264					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
CBC-A per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
CBC-Total per 125g [†]	< LOQ		mg/125g	7.82	02/11/20	J AOAC 2015 V98-6	
CBD per 125g	316		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
CBD-A per 125g	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
CBD-Total per 125g	316		mg/125g	7.82	02/11/20	J AOAC 2015 V98-6	
CBDV per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	



Potency per 125g		Batch: 2001264					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBDV-A per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
CBDV-Total per 125g [†]	< LOQ		mg/125g	7.78	02/11/20	J AOAC 2015 V98-6	
CBG per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
CBG-A per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
CBG-Total per 125g [†]	< LOQ		mg/125g	7.82	02/11/20	J AOAC 2015 V98-6	
CBL per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
CBN per 125g	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
Δ8-THC per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
Δ9-THC per 125g	5.58		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
THC-A per 125g	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
THC-Total per 125g	< LOQ		mg/125g	7.82	02/11/20	J AOAC 2015 V98-6	
THCV per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
THCV-A per 125g [†]	< LOQ		mg/125g	4.17	02/11/20	J AOAC 2015 V98-6	
THCV-Total per 125g [†]	< LOQ		mg/125g	7.78	02/11/20	J AOAC 2015 V98-6	


Pesticides **Method** AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2001180 **Analyze** 02/06/20 03:51 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	< 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		Etoazole	< 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	0.200	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	0.0966		mg/kg	0.009892001277	02/10/20	AOAC 2013.06 (mod.)		H, X
Cadmium	0.118		mg/kg	0.009892001277	02/10/20	AOAC 2013.06 (mod.)		H, X
Lead	0.0763		mg/kg	0.009892001277	02/10/20	AOAC 2013.06 (mod.)		H, X
Mercury	< LOQ		mg/kg	0.004952001277	02/10/20	AOAC 2013.06 (mod.)		H, X



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

g = Gram

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

mg/125g = Milligram per 125g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

H: Holding time was exceeded.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



Portland OR 97230 p.503-254-1794 **Cannabis Chain of Custody Record**

HEALTHYROOTS 20-001427

PIXIS Labs
A Tentamus Company
ID: OR100028

CHAIN OF CUSTODY
Company: Healthy Roots
Contact: Liz Merritt
Address: 14325 NE Airport Way, #113
Portland, OR 97230
Email: Healthyrootschemp@gmail.com
Phone: 503-496-2329
License: AG-L 1052211FP

Analysis Requested

Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Sample Type	Weight	Serving size for edibles	Com	Report in mg/gr and % (percentage)
1 60 count Pet Chew	X	X								X				125 gr	1 piece		
2 10 count Gel Capsule	X	X								X				7 gr	1 piece		
3 1000mg Horse #4121			X											28g			

Collected By: Turnaround time:
Ask for availability
☐ Standard (5 day)
☐ Rush (3-4 day) (1.5x Standard)
☐ Priority Rush (2 day) (2x Standard)

Relinquished By: *Sam M* **Date:** *2-5-20* **Time:** *2:00*

Received by: *[Signature]* **Date:** *2-5-20* **Time:** *14:00*

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: *22.5*
Shipped Via: *client*
Evidence of cooling: ☒ 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

Revision: 3.00 Control#: CF023
Effective 05/22/2019 Revised 05/22/2019
www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2
2/25/20



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: 2001180			
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	0.000	< 0.200		0.893	1.000	89.3	71.6 - 113	
Acequinocyl	0.000	< 1.000		3.628	4.000	90.7	73.0 - 136	
Acetamiprid	0.000	< 0.100		0.377	0.400	94.1	73.3 - 122	
Aldicarb	0.000	< 0.200		0.756	0.800	94.5	69.0 - 127	
Abamectin	0.000	< 0.288		0.952	1.000	95.2	74.8 - 120	
Azoxystrobin	0.000	< 0.100		0.382	0.400	95.5	77.3 - 119	
Bifenazate	0.000	< 0.100		0.403	0.400	100.7	75.8 - 127	
Bifenthrin	0.000	< 0.100		0.359	0.400	89.8	73.6 - 117	
Boscalid	0.000	< 0.100		0.837	0.800	104.7	74.1 - 131	
Carbaryl	0.003	< 0.100		0.357	0.400	89.2	74.9 - 120	
Carbofuran	0.000	< 0.100		0.383	0.400	95.7	76.2 - 125	
Chlorantraniliprol	0.000	< 0.100		0.385	0.400	96.2	65.3 - 121	
Chlorfenapyr	0.000	< 1.000		2.265	2.000	113.3	69.1 - 128	
Chlorpyrifos	0.000	< 0.100		0.321	0.400	80.2	65.8 - 122	
Clofentezine	0.000	< 0.100		0.285	0.400	71.3	51.8 - 96.1	
Cyfluthrin	0.031	< 1.000		2.018	2.000	100.9	73.3 - 125	
Cypermethrin	0.001	< 1.000		1.895	2.000	94.8	73.2 - 125	
Daminozide	0.000	< 1.000		0.650	2.000	32.5	22.6 - 41.9	
Diazinon	0.000	< 0.100		0.386	0.400	96.4	70.9 - 123	
Dichlorvos	0.000	< 0.500		1.846	2.000	92.3	76.1 - 122	
Dimethoat	0.000	< 0.100		0.369	0.400	92.4	74.5 - 118	
Ethoprophos	0.000	< 0.100		0.374	0.400	93.4	70.1 - 124	
Etofenprox	0.000	< 0.100		0.788	0.800	98.5	77.1 - 123	
Etoxazol	0.000	< 0.100		0.689	0.400	172.2	78.8 - 146	Q1
Fenoxycarb	0.000	< 0.100		0.384	0.400	95.9	73.2 - 124	
Fenpyroximat	0.000	< 0.100		0.773	0.800	96.7	75.0 - 122	
Fipronil	0.000	< 0.100		0.715	0.800	89.4	69.4 - 124	
Flonicamid	0.017	< 0.400		0.972	1.000	97.2	76.6 - 118	
Fludioxonil	0.000	< 0.100		0.765	0.800	95.6	68.6 - 127	
Hexythiazox	0.000	< 0.400		0.857	1.000	85.7	67.2 - 125	
Imazalil	0.006	< 0.100		0.360	0.400	89.9	70.0 - 122	
Imidacloprid	0.000	< 0.200		0.792	0.800	99.0	75.7 - 119	
Kresoxim-Methyl	0.004	< 0.100		0.687	0.800	85.9	73.5 - 123	
Malathion	0.000	< 0.100		0.386	0.400	96.6	74.6 - 123	
Metaxyl	0.000	< 0.100		0.368	0.400	92.1	74.4 - 117	
Methiocarb	0.000	< 0.100		0.390	0.400	97.4	76.0 - 122	
Methomyl	0.000	< 0.200		0.747	0.800	93.4	73.4 - 120	
MGK 264	0.000	< 0.100		0.413	0.400	103.3	73.3 - 124	
Myclobutanil	0.000	< 0.100		0.395	0.400	98.8	75.7 - 120	
Naled	0.000	< 0.200		0.832	1.000	83.2	64.2 - 111	
Oxamyl	0.000	< 0.400		1.880	2.000	94.0	70.6 - 119	
Paclobutrazol	0.000	< 0.200		0.783	0.800	97.9	74.8 - 129	
Parathion Methyl	0.000	< 0.200		0.816	0.800	102.0	68.2 - 127	
Permethrin	0.000	< 0.100		0.386	0.400	96.5	74.6 - 120	
Phosmet	0.000	< 0.100		0.367	0.400	91.9	72.9 - 124	
Piperonyl butoxide	0.000	< 1.000		2.003	2.000	100.2	68.1 - 126	
Prallethrin	0.000	< 0.200		0.786	0.800	98.2	70.4 - 131	
Propiconazole	0.000	< 0.200		0.782	0.800	97.8	76.0 - 119	
Propoxur	0.000	< 0.100		0.380	0.400	95.1	75.2 - 121	
Pyrethrins	0.168	< 0.500		0.565	0.560	100.8	75.5 - 140	
Pyridaben	0.000	< 0.100		0.392	0.400	98.0	71.8 - 127	
Spinosad	0.000	< 0.100		0.359	0.388	92.6	72.8 - 130	
Spiromesifen	0.000	< 0.100		0.379	0.400	94.7	72.2 - 124	
Spirotetramat	0.000	< 0.100		0.398	0.400	99.6	72.3 - 128	
Spiroxamine	0.000	< 0.100		0.749	0.800	93.6	65.3 - 121	
Tebuconazole	0.000	< 0.200		0.814	0.800	101.8	73.5 - 121	
Thiacloprid	0.000	< 0.100		0.376	0.400	93.9	73.3 - 120	
Thiamethoxam	0.002	< 0.100		0.365	0.400	91.3	73.3 - 119	
Trifloxystrobin	0.000	< 0.100		0.393	0.400	98.2	76.9 - 122	



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: 2001180										
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 20-001449-0006					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.853	0.866	1.000	1.6	< 30	85.3	86.6	50 - 150	
Acequinocyl	0.000	4.017	3.899	4.000	3.0	< 30	100.4	97.5	50 - 150	
Acetamiprid	0.000	0.363	0.365	0.400	0.7	< 30	90.7	91.3	50 - 150	
Aldicarb	0.000	0.721	0.742	0.800	2.8	< 30	90.1	92.7	50 - 150	
Abamectin	0.000	0.991	0.892	1.000	10.5	< 30	99.1	89.2	50 - 150	
Azoxystrobin	0.000	0.372	0.399	0.400	6.8	< 30	93.1	99.7	50 - 150	
Bifenazate	0.000	0.394	0.401	0.400	1.8	< 30	98.4	100.2	50 - 150	
Bifenthrin	0.000	0.416	0.410	0.400	1.4	< 30	104.0	102.5	50 - 150	
Boscalid	0.000	0.839	0.813	0.800	3.1	< 30	104.9	101.7	50 - 150	
Carbaryl	0.003	0.344	0.350	0.400	1.7	< 30	85.3	86.7	50 - 150	
Carbofuran	0.000	0.376	0.381	0.400	1.2	< 30	94.0	95.1	50 - 150	
Chlorantraniliprol	0.000	0.354	0.354	0.400	0.1	< 30	88.6	88.5	50 - 150	
Chlorfenapyr	0.000	2.178	1.888	2.000	14.3	< 30	108.9	94.4	50 - 150	
Chlorpyrifos	0.000	0.224	0.222	0.400	1.1	< 30	56.1	55.5	50 - 150	
Clofentezine	0.000	0.160	0.151	0.400	5.9	< 30	40.0	37.7	50 - 150	Q
Cyfluthrin	0.032	3.311	3.216	2.000	2.9	< 30	164.0	159.2	30 - 150	Q1
Cypermethrin	0.005	1.846	1.807	2.000	2.1	< 30	92.1	90.1	50 - 150	
Daminozide	0.000	0.639	0.661	2.000	3.5	< 30	31.9	33.1	30 - 150	
Diazinon	0.000	0.388	0.392	0.400	1.2	< 30	96.9	98.1	50 - 150	
Dichlorvos	0.064	1.744	1.816	2.000	4.0	< 30	84.0	87.6	50 - 150	
Dimethoat	0.000	0.344	0.356	0.400	3.5	< 30	85.9	89.0	50 - 150	
Ethoprophos	0.000	0.347	0.329	0.400	5.2	< 30	86.7	82.4	50 - 150	
Etofenprox	0.000	0.789	0.784	0.800	0.6	< 30	98.6	98.0	50 - 150	
Etoxazol	0.048	0.711	0.781	0.400	9.4	< 30	165.7	183.3	50 - 150	Q1
Fenoxycarb	0.000	0.370	0.376	0.400	1.6	< 30	92.6	94.1	50 - 150	
Fenpyroximat	0.000	0.770	0.810	0.800	5.1	< 30	96.2	101.3	50 - 150	
Fipronil	0.011	0.667	0.728	0.800	8.9	< 30	82.0	89.7	50 - 150	
Flonicamid	0.018	1.062	1.073	1.000	1.0	< 30	104.5	105.5	50 - 150	
Fludioxonil	0.000	0.766	0.810	0.800	5.7	< 30	95.7	101.3	50 - 150	
Hexythiazox	0.000	0.620	0.630	1.000	1.6	< 30	62.0	63.0	50 - 150	
Imazalil	0.005	0.351	0.354	0.400	0.7	< 30	86.4	87.0	50 - 150	
Imidacloprid	0.000	0.738	0.736	0.800	0.3	< 30	92.2	91.9	50 - 150	
Kresoxim-Methyl	0.004	0.780	0.753	0.800	3.6	< 30	97.0	93.6	50 - 150	
Malathion	0.000	0.417	0.429	0.400	2.8	< 30	104.2	107.2	50 - 150	
Metaxyl	0.000	0.365	0.367	0.400	0.5	< 30	91.2	91.7	50 - 150	
Methiocarb	0.000	0.393	0.397	0.400	0.9	< 30	98.2	99.2	50 - 150	
Methomyl	0.000	0.757	0.810	0.800	6.8	< 30	94.6	101.3	50 - 150	
MGK 264	0.000	0.316	0.306	0.400	3.0	< 30	78.9	76.6	50 - 150	
Myclobutanil	0.000	0.412	0.443	0.400	7.2	< 30	103.0	110.7	50 - 150	
Naled	0.000	0.824	0.834	1.000	1.2	< 30	82.4	83.4	50 - 150	
Oxamyl	0.000	2.056	2.127	2.000	3.4	< 30	102.8	106.4	50 - 150	
Paclobutrazol	0.000	0.779	0.816	0.800	4.6	< 30	97.4	102.0	50 - 150	
Parathion Methyl	0.000	0.822	0.821	0.800	0.1	< 30	102.7	102.6	30 - 150	
Permethrin	0.000	0.401	0.415	0.400	3.4	< 30	100.3	103.8	50 - 150	
Phosmet	0.000	0.355	0.374	0.400	5.1	< 30	88.8	93.5	50 - 150	
Piperonyl butoxide	0.000	2.078	2.115	2.000	1.8	< 30	103.9	105.8	50 - 150	
Prallethrin	0.000	0.557	0.539	0.800	3.3	< 30	69.6	67.4	50 - 150	
Propiconazole	0.000	0.798	0.798	0.800	0.0	< 30	99.8	99.8	50 - 150	
Propoxur	0.000	0.358	0.364	0.400	1.8	< 30	89.5	91.1	50 - 150	
Pyrethrins	0.067	0.609	0.591	0.560	3.1	< 30	96.7	93.4	50 - 150	
Pyridaben	0.000	0.417	0.407	0.400	2.5	< 30	104.3	101.7	50 - 150	
Spinosad	0.000	0.372	0.382	0.388	2.6	< 30	95.9	98.4	50 - 150	
Spiromesifen	0.000	0.257	0.261	0.400	1.6	< 30	64.3	65.3	50 - 150	
Spirotetramat	0.000	0.443	0.444	0.400	0.2	< 30	110.8	111.0	50 - 150	
Spiroxamine	0.004	0.771	0.782	0.800	1.5	< 30	95.8	97.3	50 - 150	
Tebuconazol	0.000	0.816	0.804	0.800	1.6	< 30	102.0	100.4	50 - 150	
Thiacloprid	0.000	0.326	0.331	0.400	1.5	< 30	81.4	82.7	50 - 150	
Thiamethoxam	0.002	0.432	0.430	0.400	0.4	< 30	107.4	107.0	50 - 150	
Trifloxystrobin	0.000	0.423	0.441	0.400	2.7	< 30	105.8	110.2	50 - 150	


 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
Batch ID: 2001264
Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00935	0.01	%	93.5	85.0 - 115	Acceptable	
CBDV	0.00926	0.01	%	92.6	85.0 - 115	Acceptable	
CBD-A	0.0103	0.01	%	103	85.0 - 115	Acceptable	
CBG-A	0.00980	0.01	%	98.0	85.0 - 115	Acceptable	
CBG	0.00931	0.01	%	93.1	85.0 - 115	Acceptable	
CBD	0.0102	0.01	%	102	85.0 - 115	Acceptable	
THCV	0.00959	0.01	%	95.9	85.0 - 115	Acceptable	
THCVA	0.00966	0.01	%	96.6	85.0 - 115	Acceptable	
CBN	0.0101	0.01	%	101	85.0 - 115	Acceptable	
THC	0.0107	0.01	%	107	85.0 - 115	Acceptable	
D8THC	0.00881	0.01	%	88.1	85.0 - 115	Acceptable	
CBL	0.00922	0.01	%	92.2	85.0 - 115	Acceptable	
CBC	0.00934	0.01	%	93.4	85.0 - 115	Acceptable	
THCA	0.0105	0.01	%	105	85.0 - 115	Acceptable	
CBCA	0.00921	0.01	%	92.1	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBD-A	<LOQ	0.003	%	< 0.003	Acceptable	
CBG-A	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
THC	<LOQ	0.003	%	< 0.003	Acceptable	
D8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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					Batch ID: 2001264			
Sample Duplicate					Sample ID: 20-001390-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.00301	<LOQ	0.003	%	NA	< 20	Acceptable	R2
CBD	0.00344	0.00331	0.003	%	3.90	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THC	0.129	0.124	0.003	%	3.61	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	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
R2- Sample replicates RPD non-calculable, as only one replicate is within analytical range.

Units of Measure:

% - Percent



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.