



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

**Job Number:** 19-007305  
**Report Number:** 075743-01  
**Report Date:** 10/23/2019  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/21/19 15:07

This is an amended version of report# 075743-00  
Reason: Updated report formatting.



**Product identity:** Sentia Wellness Lemon Ginger Drops 1000mg HDTO-1117 **Client/Metric ID:** .  
**Laboratory ID:** 19-007305-0001 **Sample Date:**

### Summary

#### Potency:

Analyte	Result	Limits	Units	LOQ	
CBD	3.52		%	0.0326	CBD-Total (%) 3.52 %
Analyte per 1ml	Result	Limits	Units	LOQ	
CBD per 1ml	35.3		mg/1ml	0.0334	CBD-Total per 1ml 35.3 mg/1ml
Analyte per 30ml	Result	Limits	Units	LOQ	
CBD per 30ml	1060		mg/30ml	1.00	CBD-Total per 30ml 1060 mg/30ml
					THC Total (%) < LOQ

Serving size: 30ml  
Servings per container: 30

#### Residual Solvents:

All analytes passing and less than LOQ.

#### Pesticides:

All analytes passing and less than LOQ.



**Customer:** Sentia Wellness  
3931 NE Columbia Blvd  
Portland Oregon 97211  
United States

**Product identity:** Sentia Wellness Lemon Ginger Drops 1000mg HDTO-1117

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 19-007305-0001

**Relinquished by:** Brian Ramos

**Temp:** 24.3 °C

**Weight Received:** 16 g

**Serving Size #2:** 30.1 g

**Serving Size #1:** 1.003 g

### Sample Results

Potency		Batch: 1905753					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
CBC-Total†	< LOQ		%	0.0061	06/27/19	J AOAC 2015 V98-6	
CBD	3.52		%	0.0325	06/27/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
CBD-Total	3.52		%	0.0354	06/27/19	J AOAC 2015 V98-6	
CBDV†	0.00741		%	0.0033	06/27/19	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
CBDV-Total†	0.00741		%	0.0061	06/27/19	J AOAC 2015 V98-6	
CBG†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
CBG-Total†	< LOQ		%	0.0061	06/27/19	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
THC-Total	< LOQ		%	0.0061	06/27/19	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0033	06/27/19	J AOAC 2015 V98-6	
THCV-Total†	< LOQ		%	0.0061	06/27/19	J AOAC 2015 V98-6	



Potency per 1ml Batch: 1905386

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBC-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBC-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.89	06/17/19	J AOAC 2015 V98-6	
CBD per 1ml	35.3		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	35.3		mg/1ml	1.89	06/17/19	J AOAC 2015 V98-6	
CBDV per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBDV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.88	06/17/19	J AOAC 2015 V98-6	
CBG per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBG-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBG-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.89	06/17/19	J AOAC 2015 V98-6	
CBL per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
CBN per 1ml	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
THC-Total per 1ml	< LOQ		mg/1ml	1.89	06/17/19	J AOAC 2015 V98-6	
THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
THCV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	06/17/19	J AOAC 2015 V98-6	
THCV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.88	06/17/19	J AOAC 2015 V98-6	

Potency per 30ml Batch: 1905386

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBC-A per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBC-Total per 30ml <sup>†</sup>	< LOQ		mg/30ml	56.6	03/28/19	J AOAC 2015 V98-6	
CBD per 30ml	1060		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	1060		mg/30ml	56.6	03/28/19	J AOAC 2015 V98-6	
CBDV per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBDV-A per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml <sup>†</sup>	< LOQ		mg/30ml	56.6	03/28/19	J AOAC 2015 V98-6	
CBG per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBG-A per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBG-Total per 30ml <sup>†</sup>	< LOQ		mg/30ml	56.6	03/28/19	J AOAC 2015 V98-6	
CBL per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	56.6	03/28/19	J AOAC 2015 V98-6	
THCV per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
THCV-A per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.0	03/28/19	J AOAC 2015 V98-6	
THCV-Total per 30ml <sup>†</sup>	< LOQ		mg/30ml	56.6	03/28/19	J AOAC 2015 V98-6	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



Solvents		Method EPA5021A				Units µg/g	Batch 1905632	Analyze 06/25/19 02:27 PM			
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		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	



Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1905682 Analyze 06/26/19 12:06 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		Fonicamid	< 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							

-----  
This sample was selected and submitted by the client. Test results are representative of the individual sample.



**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

µg/g = Microgram per gram

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

mg/1g = Milligram per 1g

mg/30.1g = Milligram per 30.1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



Laboratory Quality Control Results

EPA 5021				Batch ID: 1905632					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		2610	2750	µg/g	94.9	70 - 130	
Isobutane	ND	< 200		2950	3570	µg/g	82.6	70 - 130	
Butane	ND	< 200		2980	3570	µg/g	83.5	70 - 130	
2,2-dimethylpropane	ND	< 200		4060	4500	µg/g	90.2	70 - 130	
Methanol	ND	< 200		2420	2390	µg/g	101.3	70 - 130	
Ethylene Oxide	ND	< 30		227	277	µg/g	81.9	70 - 130	
2-Methylbutane	ND	< 200		2380	2430	µg/g	97.9	70 - 130	
n-Pentane	ND	< 200		2330	2380	µg/g	97.9	70 - 130	
Ethanol	ND	< 200		2330	2400	µg/g	97.1	70 - 130	
Ethyl Ether	ND	< 200		2180	2430	µg/g	89.7	70 - 130	
2,2-Dimethylbutane	ND	< 30		589	620	µg/g	95.0	70 - 130	
Acetone	ND	< 200		2260	2380	µg/g	95.0	70 - 130	
Isopropyl alcohol	ND	< 200		2410	2380	µg/g	101.3	70 - 130	
Ethyl Formate	ND	< 500		2350	2440	µg/g	96.3	70 - 130	
Acetonitrile	ND	< 100		860	919	µg/g	93.6	70 - 130	
Methyl Acetate	ND	< 500		2380	2450	µg/g	97.1	70 - 130	
2,3-Dimethylbutane	ND	< 30		312	303	µg/g	103.0	70 - 130	
Dichloromethane	ND	< 200		827	948	µg/g	87.2	70 - 130	
2-Methylpentane	ND	< 30		268	293	µg/g	91.5	70 - 130	
MTBE	ND	< 500		2340	2440	µg/g	95.9	70 - 130	
3-Methylpentane	ND	< 30		288	314	µg/g	91.7	70 - 130	
Hexane	ND	< 30		265	297	µg/g	89.2	70 - 130	
1-Propanol	ND	< 500		2420	2350	µg/g	103.0	70 - 130	
Methyl ethyl ketone	ND	< 500		2310	2400	µg/g	96.3	70 - 130	
Ethyl acetate	ND	< 200		2220	2370	µg/g	93.7	70 - 130	
2-Butanol	ND	< 200		2320	2410	µg/g	96.3	70 - 130	
Tetrahydrofuran	ND	< 100		832	943	µg/g	88.2	70 - 130	
Cyclohexane	ND	< 200		2160	2370	µg/g	91.1	70 - 130	
2-methyl-1-propanol	ND	< 500		2430	2400	µg/g	101.3	70 - 130	
Benzene	ND	< 1		34.4	38.4	µg/g	89.6	70 - 130	
Isopropyl Acetate	ND	< 200		2240	2420	µg/g	92.6	70 - 130	
Heptane	ND	< 200		2230	2380	µg/g	93.7	70 - 130	
1-Butanol	ND	< 500		2410	2370	µg/g	101.7	70 - 130	
Propyl Acetate	ND	< 500		2390	2470	µg/g	96.8	70 - 130	
1,4-Dioxane	ND	< 100		810	933	µg/g	86.8	70 - 130	
2-Ethoxyethanol	ND	< 30		2200	2370	µg/g	92.8	70 - 130	
Methylisobutylketone	ND	< 500		2400	2460	µg/g	97.6	70 - 130	
3-Methyl-1-butanol	ND	< 500		2410	2400	µg/g	100.4	70 - 130	
Ethylene Glycol	ND	< 200		911	934	µg/g	97.5	70 - 130	
Toluene	ND	< 200		775	937	µg/g	82.7	70 - 130	
Isobutyl Acetate	ND	< 500		2360	2450	µg/g	96.3	70 - 130	
1-Pentanol	ND	< 500		2470	2440	µg/g	101.2	70 - 130	
Butyl Acetate	ND	< 500		2620	2750	µg/g	95.3	70 - 130	
Ethylbenzene	ND	< 200		1570	1920	µg/g	81.8	70 - 130	
m,p-Xylene	ND	< 200		1550	1880	µg/g	82.4	70 - 130	
o-Xylene	ND	< 200		1510	1910	µg/g	79.1	70 - 130	
Cumene	ND	< 30		287	368	µg/g	78.0	70 - 130	
Anisole	ND	< 500		2080	2450	µg/g	84.9	70 - 130	



QC - Sample Duplicate

Sample ID: 19-007177-0001

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	ND	ND	30 µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
n-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	30 µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Isopropyl alcohol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	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-Picppanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Methyl ethyl ketone	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	
Toluene	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	
Ethylbenzene	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	
Camene	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500 µg/g	0.0	< 20	Acceptable	

**Abbreviations**

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation  
\* Screening only  
Q1 - Quality Control result biased high. Only non detect samples reported.

**Units of Measure:**

µg/g - Microgram per gram or ppm  
mg/kg - Milligrams per Kilogram  
Aw - Water Activity unit





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: 0				
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.040	1.000	104.0	70 - 130	
Acequinocyl	ND	< 1.000		4.160	4.000	104.0	70 - 130	
Acetamiprid	ND	< 0.100		0.392	0.400	98.0	70 - 130	
Aldicarb	ND	< 0.200		0.772	0.800	96.5	70 - 130	
Abamectin	ND	< 0.288		0.942	1.000	94.2	70 - 130	
Azoxystrobin	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Bifenazate	ND	< 0.100		0.375	0.400	93.8	70 - 130	
Bifenthrin	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Boscalid	ND	< 0.100		0.693	0.800	86.6	70 - 130	
Carbaryl	ND	< 0.100		0.419	0.400	104.8	70 - 130	
Carbofuran	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.354	0.400	88.5	70 - 130	
Chlorfenapyr	ND	< 1.000		2.070	2.000	103.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.431	0.400	107.8	70 - 130	
Clofentezine	ND	< 0.100		0.391	0.400	97.8	70 - 130	
Cyfluthrin	ND	< 1.000		1.910	2.000	95.5	30 - 150	
Cypermethrin	ND	< 1.000		2.020	2.000	101.0	70 - 130	
Daminozide	ND	< 1.000		1.970	2.000	98.5	30 - 150	
Diazinon	ND	< 0.100		0.390	0.400	97.5	70 - 130	
Dichlorvos	ND	< 0.500		1.590	2.000	79.5	70 - 130	
Dimethoat	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Ethoprophos	ND	< 0.100		0.405	0.400	101.3	70 - 130	
Etofenprox	ND	< 0.100		0.780	0.800	97.5	70 - 130	
Etoxazol	ND	< 0.100		0.375	0.400	93.8	70 - 130	
Fenoxycarb	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.813	0.800	101.6	70 - 130	
Fipronil	ND	< 0.100		0.804	0.800	100.5	70 - 130	
Flonicamid	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Fludioxonil	ND	< 0.100		0.772	0.800	96.5	70 - 130	
Hexythiazox	ND	< 0.400		0.994	1.000	99.4	70 - 130	
Imazalil	ND	< 0.100		0.432	0.400	108.0	70 - 130	
Imidacloprid	ND	< 0.200		0.776	0.800	97.0	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.809	0.800	101.1	70 - 130	
Malathion	ND	< 0.100		0.380	0.400	95.0	70 - 130	
Metaxyl	ND	< 0.100		0.388	0.400	97.0	70 - 130	
Methiocarb	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Methomyl	ND	< 0.200		0.826	0.800	103.3	70 - 130	
MGK 264	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Myclobutanil	ND	< 0.100		0.379	0.400	94.8	70 - 130	
Naled	ND	< 0.200		0.932	1.000	93.2	70 - 130	
Oxamyl	ND	< 0.400		1.940	2.000	97.0	70 - 130	
Paclotrazol	ND	< 0.200		0.758	0.800	94.8	70 - 130	
Parathion Methyl	ND	< 0.200		1.170	0.800	146.3	30 - 150	
Permethrin	ND	< 0.100		0.390	0.400	97.5	70 - 130	
Phosmet	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.930	2.000	96.5	70 - 130	
Prallethrin	ND	< 0.200		0.313	0.400	78.3	70 - 130	
Propiconazole	ND	< 0.200		0.767	0.800	95.9	70 - 130	
Propoxur	ND	< 0.100		0.384	0.400	96.0	70 - 130	
Pyrethrins	ND	< 0.500		0.249	0.284	87.7	70 - 130	
Pyridaben	ND	< 0.100		0.429	0.400	107.3	70 - 130	
Spinosad	ND	< 0.100		0.425	0.388	109.5	70 - 130	
Spiromesifen	ND	< 0.100		0.405	0.400	101.3	70 - 130	
Spirotetramat	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Spiroxamine	ND	< 0.100		0.816	0.800	102.0	70 - 130	
Tebuconazol	ND	< 0.200		0.837	0.800	104.6	70 - 130	
Thiacloprid	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Thiamethoxam	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Trifloxystrobin	ND	< 0.100		0.401	0.400	100.3	70 - 130	



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: 0					
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 19-007305-0002						
Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes		
Acephate	0.000	0.856	0.903	1.000	5.3	< 30	85.6	90.3	50 - 150		
Acequinocyl	0.000	3.990	4.000	4.000	0.3	< 30	99.8	100.0	50 - 150		
Acetamiprid	0.000	0.394	0.381	0.400	3.4	< 30	98.5	95.3	50 - 150		
Aldicarb	0.000	0.797	0.782	0.800	1.9	< 30	99.6	97.8	50 - 150		
Abamectin	0.000	1.190	1.260	1.000	5.7	< 30	119.0	126.0	50 - 150		
Azoxystrobin	0.008	0.418	0.400	0.400	4.4	< 30	102.5	98.0	50 - 150		
Bifenazate	0.014	0.386	0.383	0.400	0.8	< 30	93.0	92.2	50 - 150		
Bifenthrin	0.005	0.979	0.952	0.400	2.8	< 30	<b>243.4</b>	<b>236.7</b>	50 - 150	Q1	
Boscalid	0.000	0.790	0.795	0.800	0.6	< 30	98.8	99.4	50 - 150		
Carbaryl	0.000	0.458	0.463	0.400	1.1	< 30	114.5	115.8	50 - 150		
Carbofuran	0.000	0.399	0.416	0.400	4.2	< 30	99.8	104.0	50 - 150		
Chlorantraniliprol	0.000	0.352	0.361	0.400	2.5	< 30	88.0	90.3	50 - 150		
Chlorfenapyr	0.187	2.120	2.380	2.000	11.6	< 30	96.7	109.7	50 - 150		
Chlorpyrifos	0.000	0.568	0.616	0.400	8.1	< 30	142.0	<b>154.0</b>	50 - 150	Q1	
Clofentezine	0.001	0.444	0.450	0.400	1.3	< 30	110.9	112.4	50 - 150		
Cyfluthrin	0.051	3.250	3.080	2.000	5.4	< 30	<b>159.9</b>	<b>151.4</b>	30 - 150	Q1	
Cypermethrin	0.000	1.940	1.970	2.000	1.5	< 30	97.0	98.5	50 - 150		
Daminozide	0.000	1.970	2.040	2.000	3.5	< 30	98.5	102.0	30 - 150		
Diazinon	0.000	0.431	0.430	0.400	0.2	< 30	107.8	107.5	50 - 150		
Dichlorvos	0.000	1.510	1.510	2.000	0.0	< 30	75.5	75.5	50 - 150		
Dimethoat	0.000	0.404	0.398	0.400	1.5	< 30	101.0	99.5	50 - 150		
Ethoprophos	0.016	0.418	0.364	0.400	13.8	< 30	100.6	87.1	50 - 150		
Etofenprox	0.002	0.862	0.859	0.800	0.3	< 30	107.5	107.2	50 - 150		
Etozoxol	0.000	0.422	0.427	0.400	1.2	< 30	105.5	106.8	50 - 150		
Fenoxycarb	0.015	0.408	0.408	0.400	0.0	< 30	98.2	98.2	50 - 150		
Fenpyroximat	0.000	0.739	0.731	0.800	1.1	< 30	92.4	91.4	50 - 150		
Fipronil	0.021	0.976	0.971	0.800	0.5	< 30	119.3	118.7	50 - 150		
Fonicamid	0.000	0.959	0.952	1.000	0.7	< 30	95.9	95.2	50 - 150		
Fludioxonil	0.000	0.736	0.716	0.800	2.8	< 30	92.0	89.5	50 - 150		
Hexythiazox	0.000	2.360	2.320	1.000	1.7	< 30	<b>236.0</b>	<b>232.0</b>	50 - 150	Q1	
Imazali	0.000	0.368	0.359	0.400	2.5	< 30	92.0	89.8	50 - 150		
Imidacloprid	0.000	0.793	0.780	0.800	1.7	< 30	99.1	97.5	50 - 150		
Kresoxim-Methyl	0.026	0.865	0.833	0.800	3.8	< 30	104.9	100.9	50 - 150		
Malathion	0.000	0.439	0.416	0.400	5.4	< 30	109.8	104.0	50 - 150		
Metaxalyl	0.003	0.386	0.383	0.400	0.8	< 30	95.8	95.1	50 - 150		
Methiocarb	0.018	0.394	0.400	0.400	1.5	< 30	93.9	95.4	50 - 150		
Methomyl	0.000	0.767	0.778	0.800	1.4	< 30	95.9	97.3	50 - 150		
MGK 264	0.000	0.446	0.434	0.400	2.7	< 30	111.5	108.5	50 - 150		
Myclobutanil	0.005	0.359	0.382	0.400	6.2	< 30	88.5	94.2	50 - 150		
Naled	0.022	1.010	0.961	1.000	5.0	< 30	98.8	93.9	50 - 150		
Oxamyl	0.000	1.850	1.900	2.000	2.7	< 30	92.5	95.0	50 - 150		
Paclbutrazol	0.004	0.743	0.758	0.800	2.0	< 30	92.3	94.2	50 - 150		
Parathion Methyl	0.062	1.180	1.150	0.800	2.6	< 30	139.8	136.1	30 - 150		
Permethrin	0.008	0.452	0.426	0.400	5.9	< 30	111.1	104.6	50 - 150		
Phosmet	0.000	0.405	0.401	0.400	1.0	< 30	101.2	100.2	50 - 150		
Piperonyl butoxide	0.000	2.240	2.150	2.000	4.1	< 30	112.0	107.5	50 - 150		
Prallethrin	0.000	0.362	0.387	0.400	6.7	< 30	90.5	96.8	50 - 150		
Propiconazole	0.013	0.784	0.814	0.800	3.8	< 30	96.4	100.1	50 - 150		
Propoxur	0.000	0.392	0.395	0.400	0.8	< 30	98.0	98.8	50 - 150		
Pyrethrins	0.000	0.226	0.213	0.284	5.9	< 30	79.6	75.0	50 - 150		
Pyridaben	0.000	0.293	0.282	0.400	3.8	< 30	73.3	70.5	50 - 150		
Spinosad	0.000	0.383	0.388	0.388	1.3	< 30	98.7	100.0	50 - 150		
Spiromesifen	0.000	0.458	0.481	0.400	4.9	< 30	114.5	120.3	50 - 150		
Spirotetramat	0.023	0.349	0.338	0.400	3.2	< 30	81.5	78.7	50 - 150		
Spiroxamine	0.000	0.763	0.767	0.800	0.5	< 30	95.4	95.9	50 - 150		
Tebuconazol	0.000	0.790	0.803	0.800	1.6	< 30	98.8	100.4	50 - 150		
Thiacloprid	0.000	0.390	0.398	0.400	2.0	< 30	97.5	99.5	50 - 150		
Thiamethoxam	0.000	0.394	0.402	0.400	2.0	< 30	98.5	100.5	50 - 150		
Trifloxystrobin	0.006	0.427	0.425	0.400	0.3	< 30	105.2	104.7	50 - 150		

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 1905753

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00984	0.01	%	98.4	85 - 115	Acceptable	
CBDV	0.0102	0.01	%	102	85 - 115	Acceptable	
CBD-A	0.00955	0.01	%	95.5	85 - 115	Acceptable	
CBG-A	0.00977	0.01	%	97.7	85 - 115	Acceptable	
CBG	0.0103	0.01	%	103	85 - 115	Acceptable	
CBD	0.00996	0.01	%	99.6	85 - 115	Acceptable	
THCV	0.00974	0.01	%	97.4	85 - 115	Acceptable	
THCVA	0.00969	0.01	%	96.9	85 - 115	Acceptable	
CBN	0.00999	0.01	%	99.9	85 - 115	Acceptable	
THC	0.00908	0.01	%	90.8	85 - 115	Acceptable	
D8THC	0.00971	0.01	%	97.1	85 - 115	Acceptable	
CBL	0.00969	0.01	%	96.9	85 - 115	Acceptable	
CBC	0.0104	0.01	%	104	85 - 115	Acceptable	
THCA	0.0102	0.01	%	102	85 - 115	Acceptable	
CBCA	0.00958	0.01	%	95.8	85 - 115	Acceptable	

Method Blank

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



JAOAC2015 V986		Batch ID: 1905753						
Sample Duplicate		Sample ID: 19-007305-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	0.00744	0.00741	0.003	%	0.404	< 20	Acceptable	
CBD-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG	ND	ND	0.003	%	0	< 20	Acceptable	
CBD	3.51	3.52	0.003	%	0.284	< 20	Acceptable	
THCV	ND	ND	0.003	%	0	< 20	Acceptable	
THCVA	ND	ND	0.003	%	0	< 20	Acceptable	
CBN	ND	ND	0.003	%	0	< 20	Acceptable	
THC	ND	ND	0.003	%	0	< 20	Acceptable	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	ND	ND	0.003	%	0	< 20	Acceptable	
THCA	ND	ND	0.003	%	0	< 20	Acceptable	
CBCA	ND	ND	0.003	%	0	< 20	Acceptable	

**Abbreviations**

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

**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	Quantitaion 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.