



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

**Product identity:** Peppermint Drops 500mg      **Client/Metric ID:** LESMCTCC19176P  
**Laboratory ID:** 19-009786-0007      **Sample Date:** 08/15/19 13:00

**Summary**

**Potency:**

Analyte	Result	Limits	Units	LOQ	
CBD	1.83		%	0.10	CBD-Total (%) 1.83 %
Analyte per 1ml	Result	Limits	Units	LOQ	
CBD per 1ml	20.1		mg/1ml	1.00	CBD-Total per 1ml 20.1 mg/1ml
Analyte per 30ml	Result	Limits	Units	LOQ	
CBD per 30ml	604		mg/30ml	30.1	CBD-Total per 30ml 604 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.



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

**Product identity:** Peppermint Drops 500mg

**Client/Metric ID:** LESMCTCC19176P

**Sample Date:** 08/15/19 13:00

**Laboratory ID:** 19-009786-0007

**Relinquished by:** Ira Rubio

**Temp:** 26 °C

**Serving Size #1:** 1.1 g

### Sample Results

Potency		Batch: 1907573					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBC-Total†	< LOQ		%	0.164	08/21/19	J AOAC 2015 V98-6	
CBD	1.83		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBD-Total	1.83		%	0.164	08/21/19	J AOAC 2015 V98-6	
CBDV†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBDV-Total†	< LOQ		%	0.163	08/21/19	J AOAC 2015 V98-6	
CBG†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBG-Total†	< LOQ		%	0.163	08/21/19	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
THC-Total	< LOQ		%	0.164	08/21/19	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0873	08/17/19	J AOAC 2015 V98-6	
THCV-Total†	< LOQ		%	0.163	08/21/19	J AOAC 2015 V98-6	



Potency per 1ml Batch: 1907573

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBC-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBC-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
CBD per 1ml	20.1		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	20.1		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
CBDV per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBDV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
CBG per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBG-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBG-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
CBL per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBN per 1ml	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
THC-Total per 1ml	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
THCV per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
THCV-A per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
THCV-Total per 1ml <sup>†</sup>	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	

Potency per 30ml Batch: 1907573

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBC-A per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBC-Total per 30ml <sup>†</sup>	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
CBD per 30ml	604		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	604		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
CBDV per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBDV-A per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml <sup>†</sup>	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
CBG per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBG-A per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBG-Total per 30ml <sup>†</sup>	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
CBL per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
THCV per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
THCV-A per 30ml <sup>†</sup>	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
THCV-Total per 30ml <sup>†</sup>	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	

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Solvents		Method EPA5021A				Units µg/g	Batch 1907415	Analyze 08/16/19 05:08 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	



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Pesticides											Method AOAC 2007.01 & EN 15662 (mod)					Units mg/kg		Batch 1907420		Analyze 08/16/19 06:25 PM				
Analyte	Result	Limits	LOQ	Status	Notes	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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**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/1.1g = Milligram per 1.1g

% = Percentage of sample

% wt = µg/g divided by 10,000

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 Record**

19-009786

ORELAP ID: OR100028

Company: <u>Sentia Wellness</u>			Analysis Requested								Purchase Order Number: _____				
Contact: <u>Erin Harbacek</u>			Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals	Project Number: _____				
Address: _____											Project Name: _____				
Email: _____			<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other: _____												
Phone: _____ Fax: _____			Processor's License: _____												
	Field ID	Date/Time Collected									Matrix	Weight	Comments	Cont #'s	
1	LESMCTCC190175LAV Lavender Drops 1000MG	8/15 1p	X	X	X								lost facing page!		
2	LESMCTCC190177P Peppermint Drops 1000mg	8/15 1p	X	X	X								"		
3	LESMCTCC190170N Natural Drops (Unflav) 500 mg	8/15 1p	X	X	X								"		
4	LESMCTCC190172LG Lem Ging Drops 500mg	8/15 1p	X	X	X								"		
5	LESMCTCC190171N Natural Drops 1000mg	8/15 1p	X	X	X								"		
6	LESMCTCC190174LAV Lavender Drops 500mg	8/15 1p	X	X	X								"		
7	LESMCTCC190176P Peppermint Drops 500 mg	8/15 1p	X	X	X								"		
8	LESMCTCC190173LG Lem Ging Drops 1000mg	8/15 1p	X	X	X								"		
Collected By: _____			Relinquished By: _____			Date	Time	Received By: _____			Date	Time	Labs Use Only:		
<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			Ira Rubio			8/15	3:00	[Signature]			8-15-19	15:00	Client Alias: _____ Order Number: _____ <input type="checkbox"/> Proper Container <input type="checkbox"/> Sample Condition <input type="checkbox"/> Temperature <input type="checkbox"/> Shipped Via: <u>client</u> Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

1 of 1

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Laboratory Quality Control Results

EPA 5021					Batch ID: 1907415				
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		861	1200	µg/g	71.8	70 - 130	
Isobutane	ND	< 200		1110	1570	µg/g	70.7	70 - 130	
Butane	ND	< 200		1110	1570	µg/g	70.7	70 - 130	
2,2-dimethylpropane	ND	< 200		1410	1980	µg/g	71.2	70 - 130	
Methanol	ND	< 200		1520	2090	µg/g	72.7	70 - 130	
Ethylene Oxide	ND	< 30		87.8	119	µg/g	73.8	70 - 130	
2-Methylbutane	ND	< 200		1590	2130	µg/g	74.6	70 - 130	
n-Pentane	ND	< 200		1610	2090	µg/g	77.0	70 - 130	
Ethanol	ND	< 200		1610	2100	µg/g	76.7	70 - 130	
Ethyl Ether	ND	< 200		1640	2130	µg/g	77.0	70 - 130	
2,2-Dimethylbutane	ND	< 30		423	542	µg/g	78.0	70 - 130	
Acetone	ND	< 200		1600	2080	µg/g	76.9	70 - 130	
Isopropyl alcohol	ND	< 200		1620	2080	µg/g	77.9	70 - 130	
Acetonitrile	ND	< 100		563	804	µg/g	70.0	70 - 130	
2,3-Dimethylbutane	ND	< 30		193	265	µg/g	72.8	70 - 130	
Dichloromethane	ND	< 200		627	829	µg/g	75.6	70 - 130	
2-Methylpentane	ND	< 30		276	256	µg/g	107.8	70 - 130	
3-Methylpentane	ND	< 30		199	275	µg/g	72.4	70 - 130	
Hexane	ND	< 30		183	260	µg/g	70.4	70 - 130	
Ethyl acetate	ND	< 200		1570	2070	µg/g	75.8	70 - 130	
2-Butanol	ND	< 200		1620	2110	µg/g	76.8	70 - 130	
Tetrahydrofuran	ND	< 100		622	825	µg/g	75.4	70 - 130	
Cyclohexane	ND	< 200		1660	2080	µg/g	79.8	70 - 130	
Benzene	ND	< 1		23.7	33.6	µg/g	70.5	70 - 130	
Isopropyl Acetate	ND	< 200		1700	2120	µg/g	80.2	70 - 130	
Heptane	ND	< 200		1730	2080	µg/g	83.2	70 - 130	
1,4-Dioxane	ND	< 100		669	817	µg/g	81.9	70 - 130	
2-Ethoxyethanol	ND	< 30		1870	2080	µg/g	89.9	70 - 130	
Ethylene Glycol	ND	< 200		818	818	µg/g	100.0	70 - 130	
Toluene	ND	< 200		686	820	µg/g	83.7	70 - 130	
Ethylbenzene	ND	< 200		1320	1680	µg/g	78.6	70 - 130	
m,p-Xylene	ND	< 200		1390	1650	µg/g	84.2	70 - 130	
o-Xylene	ND	< 200		1400	1670	µg/g	83.8	70 - 130	
Cumene	ND	< 30		266	322	µg/g	82.6	70 - 130	





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QC - Sample Duplicate Sample ID: 19-009786-0001

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	
Acetonitrile	ND	ND	100	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	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	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	
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	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	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	
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	
Cumene	ND	ND	30	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



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: 1907420				
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.070	1.000	107.0	70 - 130	
Acequinocyl	ND	< 1.000		4.030	4.000	100.8	70 - 130	
Acetamiprid	ND	< 0.100		0.417	0.400	104.3	70 - 130	
Aldicarb	ND	< 0.200		0.860	0.800	107.5	70 - 130	
Abamectin	ND	< 0.288		1.040	1.000	104.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.440	0.400	110.0	70 - 130	
Bifenazate	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Bifenthrin	ND	< 0.100		0.380	0.400	95.0	70 - 130	
Boscalid	ND	< 0.100		0.880	0.800	110.0	70 - 130	
Carbaryl	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Carbofuran	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.373	0.400	93.3	70 - 130	
Chlorfenapyr	ND	< 1.000		2.120	2.000	106.0	70 - 130	
Chlorpyrifos	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Clofentezine	ND	< 0.100		0.412	0.400	103.0	70 - 130	
Cyfluthrin	ND	< 1.000		2.070	2.000	103.5	30 - 150	
Cypermethrin	ND	< 1.000		2.080	2.000	104.0	70 - 130	
Daminozide	ND	< 1.000		2.020	2.000	101.0	30 - 150	
Diazinon	ND	< 0.100		0.424	0.400	106.0	70 - 130	
Dichlorvos	ND	< 0.500		2.150	2.000	107.5	70 - 130	
Dimethoat	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Ethoprophos	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Etofenprox	ND	< 0.100		0.844	0.800	105.5	70 - 130	
Etoxazol	ND	< 0.100		0.434	0.400	108.5	70 - 130	
Fenoxycarb	ND	< 0.100		0.419	0.400	104.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.872	0.800	109.0	70 - 130	
Fipronil	ND	< 0.100		0.897	0.800	112.1	70 - 130	
Flonicamid	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Fludioxonil	ND	< 0.100		0.848	0.800	106.0	70 - 130	
Hexythiazox	ND	< 0.400		1.060	1.000	106.0	70 - 130	
Imazalil	ND	< 0.100		0.442	0.400	110.5	70 - 130	
Imidacloprid	ND	< 0.200		0.855	0.800	106.9	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.842	0.800	105.3	70 - 130	
Malathion	ND	< 0.100		0.432	0.400	108.0	70 - 130	
Metaxyl	ND	< 0.100		0.453	0.400	113.3	70 - 130	
Methiocarb	ND	< 0.100		0.442	0.400	110.5	70 - 130	
Methomyl	ND	< 0.200		0.771	0.800	96.4	70 - 130	
MGK 264	ND	< 0.100		0.415	0.400	103.8	70 - 130	
Myclobutanil	ND	< 0.100		0.435	0.400	108.8	70 - 130	
Naled	ND	< 0.200		1.020	1.000	102.0	70 - 130	
Oxamyl	ND	< 0.400		1.840	2.000	92.0	70 - 130	
Paclotrazol	ND	< 0.200		0.850	0.800	106.3	70 - 130	
Parathion Methyl	ND	< 0.200		0.691	0.800	86.4	30 - 150	
Permethrin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Phosmet	ND	< 0.100		0.435	0.400	108.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.280	2.000	114.0	70 - 130	
Prallethrin	ND	< 0.200		0.812	0.800	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.839	0.800	104.9	70 - 130	
Propoxur	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Pyrethrins	ND	< 0.500		0.318	0.284	112.0	70 - 130	
Pyridaben	ND	< 0.100		0.416	0.400	104.0	70 - 130	
Spinosad	ND	< 0.100		0.432	0.388	111.3	70 - 130	
Spiromesifen	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Spirotetramat	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Spiroxamine	ND	< 0.100		0.900	0.800	112.5	70 - 130	
Tabuconazol	ND	< 0.200		0.892	0.800	111.5	70 - 130	
Thiacloprid	ND	< 0.100		0.428	0.400	107.0	70 - 130	
Thiamethoxam	ND	< 0.100		0.411	0.400	102.8	70 - 130	
Trifloxystrobin	ND	< 0.100		0.428	0.400	107.0	70 - 130	

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.



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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: 1907420					
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 19-009712-0002					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes	
Acephate	0.000	0.817	0.904	1.000	10.1	< 30	81.7	90.4	50 - 150	
Acequinocyl	0.000	4.800	3.910	4.000	20.4	< 30	120.0	97.8	50 - 150	
Acetamiprid	0.000	0.422	0.434	0.400	2.8	< 30	105.5	108.5	50 - 150	
Aldicarb	0.000	0.862	0.843	0.800	2.2	< 30	107.8	105.4	50 - 150	
Abamectin	0.000	1.280	1.320	1.000	3.1	< 30	128.0	132.0	50 - 150	
Azoxystrobin	0.000	0.505	0.482	0.400	4.7	< 30	126.2	120.5	50 - 150	
Bifenazate	0.000	0.438	0.443	0.400	1.1	< 30	109.5	110.8	50 - 150	
Bifenthrin	0.000	1.280	1.170	0.400	9.0	< 30	<b>320.0</b>	<b>292.5</b>	50 - 150 Q1	
Boscalid	0.000	0.819	0.822	0.800	0.4	< 30	102.4	102.8	50 - 150	
Carbaryl	0.000	0.434	0.440	0.400	1.4	< 30	108.5	110.0	50 - 150	
Carbofuran	0.000	0.439	0.422	0.400	3.9	< 30	109.8	105.5	50 - 150	
Chlorantraniliprol	0.000	0.426	0.394	0.400	7.8	< 30	106.5	98.5	50 - 150	
Chlorfenapyr	0.000	2.460	2.250	2.000	8.9	< 30	123.0	112.5	50 - 150	
Chlorpyrifos	0.000	0.879	0.839	0.400	4.7	< 30	<b>219.8</b>	<b>209.8</b>	50 - 150 Q1	
Clofentezine	0.000	0.495	0.509	0.400	2.8	< 30	123.8	127.3	50 - 150	
Cyfluthrin	0.000	3.790	3.470	2.000	8.8	< 30	<b>189.5</b>	<b>173.5</b>	30 - 150 Q1	
Cypermethrin	0.000	2.020	1.950	2.000	3.5	< 30	101.0	97.5	50 - 150	
Daminozide	0.000	2.100	2.160	2.000	2.8	< 30	105.0	108.0	30 - 150	
Diazinon	0.000	0.469	0.495	0.400	5.4	< 30	117.3	123.8	50 - 150	
Dichlorvos	0.000	2.080	2.160	2.000	3.8	< 30	104.0	108.0	50 - 150	
Dimethoat	0.000	0.431	0.437	0.400	1.4	< 30	107.8	109.3	50 - 150	
Ethoprophos	0.000	0.456	0.476	0.400	4.3	< 30	114.0	119.0	50 - 150	
Etofenprox	0.000	1.000	0.909	0.800	9.5	< 30	125.0	113.6	50 - 150	
Etoazol	0.000	0.505	0.481	0.400	4.9	< 30	126.3	120.3	50 - 150	
Fenoxycarb	0.000	0.420	0.438	0.400	4.2	< 30	105.0	109.5	50 - 150	
Fenprothion	0.000	0.799	0.800	0.800	0.1	< 30	99.9	100.0	50 - 150	
Fipronil	0.000	1.050	1.090	0.800	3.7	< 30	131.3	136.3	50 - 150	
Flonicamid	0.000	1.030	0.968	1.000	6.2	< 30	103.0	96.8	50 - 150	
Fludioxonil	0.000	0.850	0.834	0.800	1.9	< 30	106.3	104.3	50 - 150	
Hexythiazox	0.000	2.460	2.570	1.000	4.4	< 30	<b>246.0</b>	<b>257.0</b>	50 - 150 Q1	
Imazalil	0.000	0.388	0.392	0.400	1.0	< 30	97.0	98.0	50 - 150	
Imidacloprid	0.000	0.837	0.904	0.800	7.7	< 30	104.6	113.0	50 - 150	
Kresoxim-Methyl	0.000	0.948	0.926	0.800	2.3	< 30	118.5	115.8	50 - 150	
Malathion	0.000	0.476	0.500	0.400	4.9	< 30	119.0	125.0	50 - 150	
Metaxalyl	0.000	0.472	0.457	0.400	3.2	< 30	118.0	114.3	50 - 150	
Methiocarb	0.000	0.440	0.479	0.400	8.5	< 30	110.0	119.8	50 - 150	
Methomyl	0.000	0.725	0.746	0.800	2.9	< 30	90.6	93.3	50 - 150	
MGK 264	0.000	0.500	0.501	0.400	0.2	< 30	125.0	125.3	50 - 150	
Myclobutanil	0.000	0.422	0.432	0.400	2.3	< 30	105.5	108.0	50 - 150	
Naled	0.000	1.110	1.120	1.000	0.9	< 30	111.0	112.0	50 - 150	
Oxamyl	0.000	1.900	2.000	2.000	5.1	< 30	95.0	100.0	50 - 150	
Paclbutrazol	0.000	0.873	0.913	0.800	4.5	< 30	109.1	114.1	50 - 150	
Parathion Methyl	0.000	0.679	0.728	0.800	7.0	< 30	84.9	91.0	30 - 150	
Permethrin	0.000	0.541	0.491	0.400	9.7	< 30	135.3	122.8	50 - 150	
Phosmet	0.000	0.417	0.446	0.400	6.7	< 30	104.3	111.5	50 - 150	
Piperonyl butoxide	0.000	2.410	2.370	2.000	1.7	< 30	120.5	118.5	50 - 150	
Prallethrin	0.000	1.290	1.390	0.800	7.5	< 30	<b>161.3</b>	<b>173.8</b>	50 - 150 Q1	
Propiconazole	0.000	0.924	0.907	0.800	1.9	< 30	115.5	113.4	50 - 150	
Propoxur	0.000	0.416	0.409	0.400	1.7	< 30	104.0	102.3	50 - 150	
Pyrethrins	0.000	0.337	0.388	0.284	14.1	< 30	118.7	136.6	50 - 150	
Pyridaben	0.000	0.342	0.357	0.400	4.3	< 30	85.5	89.3	50 - 150	
Spinosad	0.000	0.436	0.433	0.388	0.7	< 30	112.4	111.6	50 - 150	
Spiromesifen	0.000	0.560	0.575	0.400	2.6	< 30	140.0	143.8	50 - 150	
Spirotetramat	0.000	0.365	0.374	0.400	2.4	< 30	91.3	93.5	50 - 150	
Spiroxamine	0.000	0.864	0.859	0.800	0.6	< 30	108.0	107.4	50 - 150	
Tebuconazol	0.000	0.796	0.841	0.800	5.5	< 30	99.5	105.1	50 - 150	
Thiacloprid	0.000	0.410	0.439	0.400	6.8	< 30	102.5	109.8	50 - 150	
Thiamethoxam	0.000	0.405	0.424	0.400	4.6	< 30	101.3	106.0	50 - 150	
Trifloxystrobin	0.000	0.458	0.466	0.400	1.2	< 30	114.5	116.5	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.



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**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 1907573**

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDV-A	0.190	0.2	%	95.0	85 - 115	Acceptable		
CBDV	0.188	0.2	%	94.0	85 - 115	Acceptable		
CBD-A	0.193	0.2	%	96.5	85 - 115	Acceptable		
CBG-A	0.199	0.2	%	99.5	85 - 115	Acceptable		
CBG	0.191	0.2	%	95.5	85 - 115	Acceptable		
CBD	0.192	0.2	%	96.0	85 - 115	Acceptable		
THCV	0.179	0.2	%	89.5	85 - 115	Acceptable		
THCVA	0.178	0.2	%	89.0	85 - 115	Acceptable		
CBN	0.185	0.2	%	92.5	85 - 115	Acceptable		
THC	0.172	0.2	%	86.0	85 - 115	Acceptable		
D8THC	0.181	0.2	%	90.5	85 - 115	Acceptable		
CBL	0.180	0.2	%	90.0	85 - 115	Acceptable		
CBC	0.195	0.2	%	97.5	85 - 115	Acceptable		
THCA	0.175	0.2	%	87.5	85 - 115	Acceptable		
CBCA	0.182	0.2	%	91.0	85 - 115	Acceptable		

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	ND	0.1	%	< 0.1	Acceptable	
CBDV	ND	0.1	%	< 0.1	Acceptable	
CBD-A	ND	0.1	%	< 0.1	Acceptable	
CBG-A	ND	0.1	%	< 0.1	Acceptable	
CBG	ND	0.1	%	< 0.1	Acceptable	
CBD	ND	0.1	%	< 0.1	Acceptable	
THCV	ND	0.1	%	< 0.1	Acceptable	
THCVA	ND	0.1	%	< 0.1	Acceptable	
CBN	ND	0.1	%	< 0.1	Acceptable	
THC	ND	0.1	%	< 0.1	Acceptable	
D8THC	ND	0.1	%	< 0.1	Acceptable	
CBL	ND	0.1	%	< 0.1	Acceptable	
CBC	ND	0.1	%	< 0.1	Acceptable	
THCA	ND	0.1	%	< 0.1	Acceptable	
CBCA	ND	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



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

J AOAC 2015 V98-6		Batch ID: 1907573						
Sample Duplicate		Sample ID: 19-009664-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBDV	ND	ND	0.1	%	0	< 20	Acceptable	
CBD-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG	2.65	2.67	0.1	%	0.752	< 20	Acceptable	
CBD	0.263	0.275	0.1	%	4.46	< 20	Acceptable	
THCV	0.452	0.454	0.1	%	0.442	< 20	Acceptable	
THCVA	ND	ND	0.1	%	0	< 20	Acceptable	
CBN	0.587	0.592	0.1	%	0.848	< 20	Acceptable	
THC	73.4	75.0	0.1	%	2.16	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	ND	ND	0.1	%	0	< 20	Acceptable	
CBC	2.03	2.04	0.1	%	0.491	< 20	Acceptable	
THCA	ND	ND	0.1	%	0	< 20	Acceptable	
CBCA	ND	ND	0.1	%	0	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**

% - Percent



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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.