



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

Product identity: 140TO-1131 Sentia Wellness 1000mg Drops Peppermint
Laboratory ID: 19-007581-0004

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
					Delta 9-THC (%) < 0.0033 %

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: 140TO-1131 Sentia Wellness 1000mg Drops Pep

Client/Metric ID: .

Sample Date: 06/27/19

Laboratory ID: 19-007581-0004

Relinquished by: Tom Deja

Temp: 24.1 °C

Serving Size #1: 1.003 g

Sample Results

Potency		Batch: 1905830					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
CBC-A [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
CBC-Total [†]	< LOQ		%	0.0062	07/03/19	J AOAC 2015 V98-6	
CBD	3.52		%	0.0331	06/29/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
CBD-Total	3.52		%	0.0360	07/03/19	J AOAC 2015 V98-6	
CBDV [†]	0.00921		%	0.0033	06/29/19	J AOAC 2015 V98-6	
CBDV-A [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
CBDV-Total [†]	0.00921		%	0.0062	07/03/19	J AOAC 2015 V98-6	
CBG [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
CBG-A [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
CBG-Total [†]	< LOQ		%	0.0062	07/03/19	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
Δ8-THC [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
THC-Total	< LOQ		%	0.0062	07/03/19	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
THCV-A [†]	< LOQ		%	0.0033	06/29/19	J AOAC 2015 V98-6	
THCV-Total [†]	< LOQ		%	0.0062	07/03/19	J AOAC 2015 V98-6	



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Potency per 1ml					Batch: 1905830		
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBC-A per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBC-Total per 1ml [†]	< LOQ		mg/1ml	1.89	07/03/19	J AOAC 2015 V98-6	
CBD per 1ml	35.3		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	35.3		mg/1ml	1.89	07/03/19	J AOAC 2015 V98-6	
CBDV per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml [†]	< LOQ		mg/1ml	1.88	07/03/19	J AOAC 2015 V98-6	
CBG per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBG-A per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBG-Total per 1ml [†]	< LOQ		mg/1ml	1.89	07/03/19	J AOAC 2015 V98-6	
CBL per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
CBN per 1ml	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
THC-Total per 1ml	< LOQ		mg/1ml	1.89	07/03/19	J AOAC 2015 V98-6	
THCV per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
THCV-A per 1ml [†]	< LOQ		mg/1ml	1.00	06/29/19	J AOAC 2015 V98-6	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	1.88	07/03/19	J AOAC 2015 V98-6	

Potency per 30ml					Batch: 1905830		
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBC-A per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBC-Total per 30ml [†]	< LOQ		mg/30ml	56.6	07/03/19	J AOAC 2015 V98-6	
CBD per 30ml	1060		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	1060		mg/30ml	56.6	07/03/19	J AOAC 2015 V98-6	
CBDV per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBDV-A per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml [†]	< LOQ		mg/30ml	56.6	07/03/19	J AOAC 2015 V98-6	
CBG per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBG-A per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBG-Total per 30ml [†]	< LOQ		mg/30ml	56.6	07/03/19	J AOAC 2015 V98-6	
CBL per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	56.6	07/03/19	J AOAC 2015 V98-6	
THCV per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
THCV-A per 30ml [†]	< LOQ		mg/30ml	30.0	06/29/19	J AOAC 2015 V98-6	
THCV-Total per 30ml [†]	< LOQ		mg/30ml	56.6	07/03/19	J AOAC 2015 V98-6	



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Solvents						Method EPA5021A	Units µg/g	Batch 1905840	Analyze 07/01/19 02:13 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 1905897 Analyze 07/02/19 03:47 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							



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

g = Gram

µg/g = Microgram per gram

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

mg/1g = Milligram per 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



PIXIS Labs
A Venturus Company

Company: Scatin

Contact: Erin Harbeck

Address: 3431 NE Columbia

Email: ira.subido@scatinwellness.com

Phone: 503.254.1794 Fax: _____

Processor's License: _____

Analysis Requested 19-00581

ORELAP ID: OR100028

Purchase Order Number: _____

Project Number: _____

Project Name: _____

☐ Report Instructions:
☐ Send to State - METRC
☐ Email Final Results:
☐ Fax Final Results
☐ Cash/Check/CC/Net 30

Other: _____

Field ID	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	Matrix	Weight	Serving size for edibles	Comments/Metric ID
1 <u>TOP-03 F1912</u>	<u>6/27 1P</u>	✓	✓	✓	✓									<u>prod</u>			<u>Lab. Facing Panel</u>
2 <u>TOP-03 F1911</u>	<u>11 1P</u>	✓	✓	✓	✓									<u>"</u>			<u>"</u>
3 <u>TOP-03 F1910</u>	<u>11 1P</u>	✓	✓	✓	✓									<u>"</u>			<u>"</u>

Collected By: _____

☐ Standard (5 day)

☒ Rush (3-4 day)
(1.5x Standard)

☐ Priority Rush (2 day)
(2x Standard)

Relinquished By: MR

Date: 6/27

Time: 1455

Received by: [Signature]

Date: 06/27

Time: 1435

Lab Use Only:
Client Alias: _____
Order Number: _____
Proper Container _____
Sample Condition _____
Temperature: 24/1
Shipped Via: Love
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

Revision: 1.02 Control#: CF023

Effective 01/31/2019 Revised 01/31/2019

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Page 1 of 2

Disc
in
mg

Just like
previous
lotion
submittals



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
A Tentamus Company

ORELAP ID: OR100028

Company: <u>Sentia (Cura Well)</u>		Analysis Requested <u>19-007581</u>										Purchase Order Number:					
Contact: <u>Elin Harboeick</u>												Project Number:					
Address: <u>3931 NE Columbia</u>												Project Name:					
Email: <u>ira.rubio@sentia.wellness.com</u>												<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					
Phone: _____ Fax: _____												Other:					
Processor's License: _____																	
Field ID	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	Matrix	Weight	Serving size for edibles	Comments/Metric ID
4 HOTO-1131 Sentia Wellness 1000mg Drops Perpermint	6/27/19	✓		✓	✓									prod.	16g		Customer facing page 1
7 LCBDD-9	6/27/19 AM	✓		✓	✓									conc.	3g		11
4 LCBDD-10	6/27/19 P	✓		✓	✓									conc.	5g		last facing page 1
7 LCBDD-11	6/27/19 P	✓		✓	✓									conc.	5g		last facing page 1
Collected By: _____		Relinquished By: _____		Date	Time	Received by: _____		Date	Time	Lab Use Only: Client Alias: Order Number: Proper Container: Sample Condition: Temperature: <u>24.1</u> Shipped Via: Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No							

NOT RUSH

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: 1.02 Control#: CF023
Effective 01/31/2019 Revised 01/31/2019
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Page 1 of 2
2
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6 27 19



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

Laboratory Quality Control Results

J AOAC 2015 V98-6

Batch ID: 1905830

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00990	0.01	%	99.0	85 - 115	Acceptable	
CBDV	0.0103	0.01	%	103	85 - 115	Acceptable	
CBD-A	0.00978	0.01	%	97.8	85 - 115	Acceptable	
CBG-A	0.00978	0.01	%	97.8	85 - 115	Acceptable	
CBG	0.0104	0.01	%	104	85 - 115	Acceptable	
CBD	0.0102	0.01	%	102	85 - 115	Acceptable	
THCV	0.00982	0.01	%	98.2	85 - 115	Acceptable	
THCVA	0.00972	0.01	%	97.2	85 - 115	Acceptable	
CBN	0.0102	0.01	%	102	85 - 115	Acceptable	
THC	0.00927	0.01	%	92.7	85 - 115	Acceptable	
D8THC	0.00974	0.01	%	97.4	85 - 115	Acceptable	
CBL	0.00959	0.01	%	95.9	85 - 115	Acceptable	
CBC	0.0104	0.01	%	104	85 - 115	Acceptable	
THCA	0.0104	0.01	%	104	85 - 115	Acceptable	
CBCA	0.00952	0.01	%	95.2	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



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

J AOAC 2015 V98-6					Batch ID: 1905830			
Sample Duplicate					Sample ID: 19-007489-0003			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	ND	ND	0.003	%	0	< 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	0.373	0.374	0.003	%	0.268	< 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



Job Number: 19-007581
Report Number: 19-007581-00
Report Date: 07/05/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/27/19 14:55

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

Laboratory Quality Control Results									
EPA 5021					Batch ID: 1905840				
Method Blank					Laboratory Control Sample				
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		1120	1200	µg/g	93.3	70 - 130	
Isobutane	ND	< 200		1650	1570	µg/g	105.1	70 - 130	
Butane	ND	< 200		1640	1570	µg/g	104.5	70 - 130	
2,2-dimethylpropane	ND	< 200		1700	1980	µg/g	85.9	70 - 130	
Methanol	ND	< 200		2050	2390	µg/g	85.8	70 - 130	
Ethylene Oxide	ND	< 30		112	119	µg/g	94.1	70 - 130	
2-Methylbutane	ND	< 200		2360	2430	µg/g	97.1	70 - 130	
n-Pentane	ND	< 200		2240	2380	µg/g	94.1	70 - 130	
Ethanol	ND	< 200		2340	2400	µg/g	97.5	70 - 130	
Ethyl Ether	ND	< 200		2450	2430	µg/g	100.8	70 - 130	
2,2-Dimethylbutane	ND	< 30		685	620	µg/g	110.5	70 - 130	
Acetone	ND	< 200		2260	2380	µg/g	95.0	70 - 130	
Isopropyl alcohol	ND	< 200		2220	2380	µg/g	93.3	70 - 130	
Acetonitrile	ND	< 100		830	919	µg/g	90.3	70 - 130	
2,3-Dimethylbutane	ND	< 30		282	303	µg/g	93.1	70 - 130	
Dichloromethane	ND	< 200		1020	948	µg/g	107.6	70 - 130	
2-Methylpentane	ND	< 30		309	293	µg/g	105.5	70 - 130	
3-Methylpentane	ND	< 30		344	314	µg/g	109.6	70 - 130	
Hexane	ND	< 30		294	297	µg/g	99.0	70 - 130	
Ethyl acetate	ND	< 200		2200	2370	µg/g	92.8	70 - 130	
2-Butanol	ND	< 200		2440	2410	µg/g	101.2	70 - 130	
Tetrahydrofuran	ND	< 100		974	943	µg/g	103.3	70 - 130	
Cyclohexane	ND	< 200		2760	2370	µg/g	116.5	70 - 130	
Benzene	ND	< 1		41	38.4	µg/g	106.8	70 - 130	
Isopropyl Acetate	ND	< 200		2470	2420	µg/g	102.1	70 - 130	
Heptane	ND	< 200		2200	2380	µg/g	92.4	70 - 130	
1,4-Dioxane	ND	< 100		1040	933	µg/g	111.5	70 - 130	
2-Ethoxyethanol	ND	< 30		2040	2370	µg/g	86.1	70 - 130	
Ethylene Glycol	ND	< 200		690	934	µg/g	73.9	70 - 130	
Toluene	ND	< 200		1010	937	µg/g	107.8	70 - 130	
Ethylbenzene	ND	< 200		2010	1920	µg/g	104.7	70 - 130	
m,p-Xylene	ND	< 200		2020	1880	µg/g	107.4	70 - 130	
o-Xylene	ND	< 200		1930	1910	µg/g	101.0	70 - 130	
Cumene	ND	< 30		387	368	µg/g	105.2	70 - 130	



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

QC - Sample Duplicate

Sample ID: 19-007576-0001

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: 1905897			
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		0.959	1.000	95.9	70 - 130	
Acequinocyl	ND	< 1.000		4.000	4.000	100.0	70 - 130	
Acetamiprid	ND	< 0.100		0.396	0.400	99.0	70 - 130	
Aldicarb	ND	< 0.200		0.752	0.800	94.0	70 - 130	
Abamectin	ND	< 0.288		0.948	1.000	94.8	70 - 130	
Azoxystrobin	ND	< 0.100		0.388	0.400	97.0	70 - 130	
Bifenazate	ND	< 0.100		0.410	0.400	102.5	70 - 130	
Bifenthrin	ND	< 0.100		0.374	0.400	93.5	70 - 130	
Boscalid	ND	< 0.100		0.792	0.800	99.0	70 - 130	
Carbaryl	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Carbofuran	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.371	0.400	92.8	70 - 130	
Chlorfenapyr	ND	< 1.000		1.950	2.000	97.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.371	0.400	92.8	70 - 130	
Clofentezine	ND	< 0.100		0.397	0.400	99.3	70 - 130	
Cyfluthrin	ND	< 1.000		2.060	2.000	103.0	30 - 150	
Cypermethrin	ND	< 1.000		1.910	2.000	95.5	70 - 130	
Daminozide	ND	< 1.000		0.911	2.000	45.6	30 - 150	
Diazinon	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Dichlorvos	ND	< 0.500		1.810	2.000	90.5	70 - 130	
Dimethoat	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Ethoprophos	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Etofenprox	ND	< 0.100		0.803	0.800	100.4	70 - 130	
Etoxazol	ND	< 0.100		0.376	0.400	94.0	70 - 130	
Fenoxycarb	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Fenpyroximat	ND	< 0.100		0.794	0.800	99.3	70 - 130	
Fipronil	ND	< 0.100		0.872	0.800	109.0	70 - 130	
Flonicamid	ND	< 0.400		0.938	1.000	93.8	70 - 130	
Fludioxonil	ND	< 0.100		0.735	0.800	91.9	70 - 130	
Hexythiazox	ND	< 0.400		0.922	1.000	92.2	70 - 130	
Imazalil	ND	< 0.100		0.396	0.400	99.0	70 - 130	
Imidacloprid	ND	< 0.200		0.780	0.800	97.5	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.835	0.800	104.4	70 - 130	
Malathion	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Metaxalyl	ND	< 0.100		0.380	0.400	95.0	70 - 130	
Methiocarb	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Methomyl	ND	< 0.200		0.781	0.800	97.6	70 - 130	
MGK 264	ND	< 0.100		0.486	0.400	121.5	70 - 130	
Myclobutanil	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Naled	ND	< 0.200		0.920	1.000	92.0	70 - 130	
Oxamyl	ND	< 0.400		1.870	2.000	93.5	70 - 130	
Paclobutrazol	ND	< 0.200		0.800	0.800	100.0	70 - 130	
Parathion Methyl	ND	< 0.200		0.844	0.800	105.5	30 - 150	
Permethrin	ND	< 0.100		0.379	0.400	94.8	70 - 130	
Phosmet	ND	< 0.100		0.397	0.400	99.3	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.000	2.000	100.0	70 - 130	
Prallethrin	ND	< 0.200		0.450	0.400	112.5	70 - 130	
Propiconazole	ND	< 0.200		0.723	0.800	90.4	70 - 130	
Propoxur	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Pyrethrins	ND	< 0.500		0.290	0.284	102.1	70 - 130	
Pyridaben	ND	< 0.100		0.360	0.400	90.0	70 - 130	
Spinosad	ND	< 0.100		0.408	0.388	105.2	70 - 130	
Spiromesifen	ND	< 0.100		0.365	0.400	91.3	70 - 130	
Spirotetramat	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Spiroxamine	ND	< 0.100		0.810	0.800	101.3	70 - 130	
Tebuconazol	ND	< 0.200		0.750	0.800	93.8	70 - 130	
Thiacloprid	ND	< 0.100		0.384	0.400	96.0	70 - 130	
Thiamethoxam	ND	< 0.100		0.376	0.400	94.0	70 - 130	
Trifloxystrobin	ND	< 0.100		0.407	0.400	101.8	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: 1905897					
Matrix Spike/Matrix Spike Duplicate Recoveries						Sample ID: 19-007581-0001					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes		
Acephate	0.000	1.040	1.060	1.000	1.9	< 30	104.0	106.0	50 - 150		
Acequinocyl	0.000	5.100	4.790	4.000	6.3	< 30	127.5	119.8	50 - 150		
Acetamiprid	0.000	0.450	0.455	0.400	1.1	< 30	112.5	113.8	50 - 150		
Aldicarb	0.000	0.842	0.889	0.800	5.4	< 30	105.3	111.1	50 - 150		
Abamectin	0.000	0.790	0.757	1.000	4.3	< 30	79.0	75.7	50 - 150		
Azoxystrobin	0.000	0.435	0.430	0.400	1.2	< 30	108.8	107.5	50 - 150		
Bifenazate	0.000	0.448	0.434	0.400	3.2	< 30	112.0	108.5	50 - 150		
Bifenthrin	0.000	0.479	0.489	0.400	2.1	< 30	119.8	122.3	50 - 150		
Boscalid	0.000	0.777	0.767	0.800	1.3	< 30	97.1	95.9	50 - 150		
Carbaryl	0.000	0.491	0.489	0.400	0.4	< 30	122.8	122.3	50 - 150		
Carbofuran	0.000	0.490	0.490	0.400	0.0	< 30	122.5	122.5	50 - 150		
Chlorantraniliprol	0.000	0.326	0.298	0.400	9.0	< 30	81.5	74.5	50 - 150		
Chlorfenapyr	0.000	2.050	1.900	2.000	7.6	< 30	102.5	95.0	50 - 150		
Chlorpyrifos	0.000	0.787	0.790	0.400	0.4	< 30	196.8	197.5	50 - 150		
Clofentezine	0.000	0.592	0.581	0.400	1.9	< 30	148.0	145.3	50 - 150		
Cyfluthrin	0.000	2.970	2.860	2.000	3.8	< 30	148.5	143.0	30 - 150		
Cypermethrin	0.000	2.240	2.180	2.000	2.7	< 30	112.0	109.0	50 - 150		
Daminozide	0.000	0.309	0.322	2.000	4.1	< 30	15.5	16.1	30 - 150		
Diazinon	0.000	0.427	0.422	0.400	1.2	< 30	106.8	105.5	50 - 150		
Dichlorvos	0.000	2.030	1.980	2.000	2.5	< 30	101.5	99.0	50 - 150		
Dimethoat	0.000	0.433	0.441	0.400	1.8	< 30	108.3	110.3	50 - 150		
Ethoprophos	0.000	0.462	0.448	0.400	3.1	< 30	115.5	112.0	50 - 150		
Etofenprox	0.000	1.100	1.070	0.800	2.8	< 30	137.5	133.8	50 - 150		
Etoxazol	0.000	0.303	0.305	0.400	0.7	< 30	75.8	76.3	50 - 150		
Fenoxycarb	0.000	0.415	0.410	0.400	1.2	< 30	103.8	102.5	50 - 150		
Fenpyroximat	0.000	0.741	0.753	0.800	1.6	< 30	92.6	94.1	50 - 150		
Fipronil	0.000	1.230	1.230	0.800	0.0	< 30	153.8	153.8	50 - 150		
Flonicamid	0.000	0.962	0.944	1.000	1.9	< 30	96.2	94.4	50 - 150		
Fludioxonil	0.000	0.775	0.786	0.800	1.4	< 30	96.9	98.3	50 - 150		
Hexythiazox	0.000	2.320	2.310	1.000	0.4	< 30	232.0	231.0	50 - 150		
Imazalil	0.000	0.446	0.453	0.400	1.6	< 30	111.5	113.3	50 - 150		
Imidacloprid	0.000	0.594	0.593	0.800	0.2	< 30	74.3	74.1	50 - 150		
Kresoxim-Methyl	0.000	0.890	0.869	0.800	2.4	< 30	111.3	108.6	50 - 150		
Malathion	0.000	0.452	0.445	0.400	1.6	< 30	113.0	111.3	50 - 150		
Metaxalayl	0.000	0.450	0.444	0.400	1.3	< 30	112.5	111.0	50 - 150		
Methiocarb	0.005	0.424	0.418	0.400	1.4	< 30	104.7	103.2	50 - 150		
Methomyl	0.000	0.801	0.813	0.800	1.5	< 30	100.1	101.6	50 - 150		
MKG 264	0.000	0.496	0.503	0.400	1.4	< 30	124.0	125.8	50 - 150		
Myclobutanil	0.000	0.434	0.421	0.400	3.0	< 30	108.5	105.3	50 - 150		
Naled	0.000	1.180	1.160	1.000	1.7	< 30	118.0	116.0	50 - 150		
Oxamyl	0.000	1.900	1.960	2.000	3.1	< 30	95.0	98.0	50 - 150		
Paclobutrazol	0.000	0.833	0.825	0.800	1.0	< 30	104.1	103.1	50 - 150		
Parathion Methyl	0.000	0.919	0.963	0.800	4.7	< 30	114.9	120.4	30 - 150		
Permethrin	0.000	0.366	0.367	0.400	0.3	< 30	91.5	91.8	50 - 150		
Phosmet	0.000	0.407	0.404	0.400	0.7	< 30	101.8	101.0	50 - 150		
Piperonyl butoxide	0.000	2.150	2.170	2.000	0.9	< 30	107.5	108.5	50 - 150		
Prallethrin	0.001	0.536	0.527	0.400	1.7	< 30	133.7	131.4	50 - 150		
Propiconazole	0.000	0.819	0.813	0.800	0.7	< 30	102.4	101.6	50 - 150		
Propoxur	0.000	0.458	0.455	0.400	0.7	< 30	114.5	113.8	50 - 150		
Pyrethrins	0.000	0.238	0.231	0.284	3.0	< 30	83.8	81.3	50 - 150		
Pyridaben	0.000	0.596	0.604	0.400	1.3	< 30	149.0	151.0	50 - 150		
Spinosad	0.000	0.465	0.460	0.388	1.1	< 30	119.8	118.6	50 - 150		
Spiromesifen	0.000	0.776	0.771	0.400	0.6	< 30	194.0	192.8	50 - 150		
Spirotetramat	0.000	0.284	0.287	0.400	1.1	< 30	71.0	71.8	50 - 150		
Sproxamine	0.000	0.896	0.869	0.800	3.1	< 30	112.0	108.6	50 - 150		
Tebuconazol	0.000	0.793	0.818	0.800	3.1	< 30	99.1	102.3	50 - 150		
Thiacloprid	0.000	0.417	0.423	0.400	1.4	< 30	104.3	105.8	50 - 150		
Thiamethoxam	0.000	0.365	0.372	0.400	1.9	< 30	91.3	93.0	50 - 150		
Trifloxystrobin	0.000	0.478	0.466	0.400	1.7	< 30	119.5	116.5	50 - 150		



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.