PIXIS Labs
A Tentamus Company

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

Job Number:	19-008626
Report Number:	19-008626-00
Report Date:	07/29/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	07/22/19 14:57

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

Product identity: HDTO 1159 Sentia Lem Gin 1000mg
Laboratory ID: 19-008626-0003
Client/Metrc ID: .
Sample Date:

Summary

Potency:

Analyte	Result	Limits	Units	LOQ
CBD	3.42		%	0.09

Analyte per 1g	Result	Limits	Units	LOQ
CBD per 1g	34.2		mg/1g	1.00

CBD-Total per 1g	34.2 mg/1g
THC-Total (%)	< 0.172 %

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Testing in accordance with: OAR 333-007-0430

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

Product identity: HDTD 1159 Sentia Lem Gin 1000mg
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-008626-0003
Relinquished by: Received By Mail
Temp: 19.5 °C
Serving Size #1: 1 g

Sample Results

Potency — Batch: 1906616

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBC-Total†	< LOQ		%	0.172	07/26/19	J AOAC 2015 V98-6	
CBD	3.42		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBD-Total	3.42		%	0.172	07/26/19	J AOAC 2015 V98-6	
CBDV†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBDV-Total†	< LOQ		%	0.171	07/26/19	J AOAC 2015 V98-6	
CBG†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBG-Total†	< LOQ		%	0.171	07/26/19	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
THC-Total	< LOQ		%	0.172	07/26/19	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0917	07/24/19	J AOAC 2015 V98-6	
THCV-Total†	< LOQ		%	0.171	07/26/19	J AOAC 2015 V98-6	

Potency per 1g — Batch: 1906616

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBC-A per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBC-Total per 1g†	< LOQ		mg/1g	1.88	07/26/19	J AOAC 2015 V98-6	

Testing in accordance with: OAR 333-007-0430

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Potency per 1g — Batch: 1906616

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD per 1g	34.2		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBD-A per 1g	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBD-Total per 1g	34.2		mg/1g	1.88	07/26/19	J AOAC 2015 V98-6	
CBDV per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBDV-A per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBDV-Total per 1g†	< LOQ		mg/1g	1.87	07/26/19	J AOAC 2015 V98-6	
CBG per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBG-A per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBG-Total per 1g†	< LOQ		mg/1g	1.88	07/26/19	J AOAC 2015 V98-6	
CBL per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
CBN per 1g	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
Δ8-THC per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
Δ9-THC per 1g	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
THC-A per 1g	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
THC-Total per 1g	< LOQ		mg/1g	1.88	07/26/19	J AOAC 2015 V98-6	
THCV per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
THCV-A per 1g†	< LOQ		mg/1g	1.00	07/26/19	J AOAC 2015 V98-6	
THCV-Total per 1g†	< LOQ		mg/1g	1.87	07/26/19	J AOAC 2015 V98-6	

Solvents — **Method** EPA5021A — **Units** µg/g — **Batch** 1906654 — **Analyze** 07/25/19 08:51 AM

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	

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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Pesticides **Method** AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1906643 **Analyze** 07/24/19 04:14 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							

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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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/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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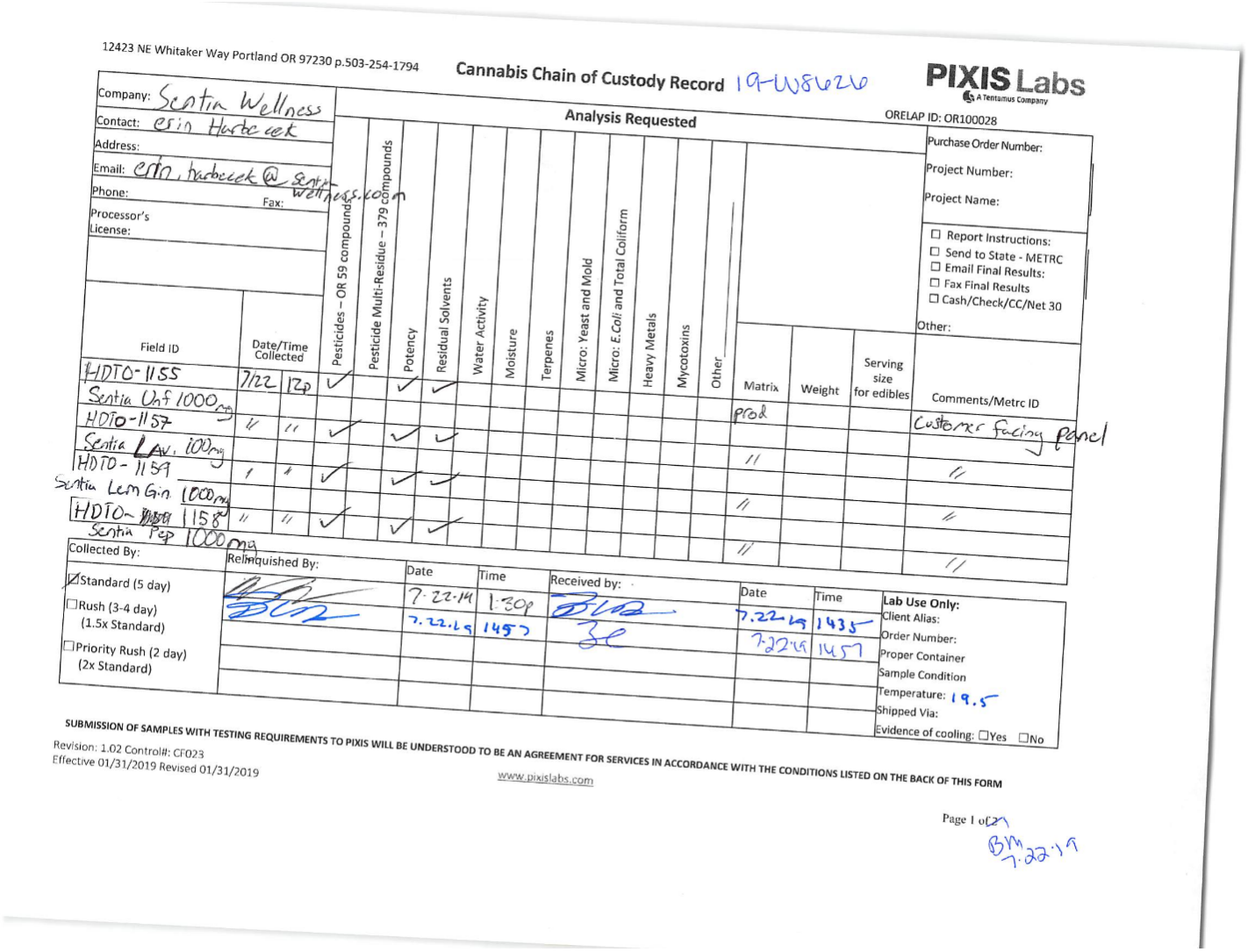

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record 19-008626

PIXIS Labs A Tentamus Company — ORELAP ID: OR100028

Company: Sentia Wellness
Contact: Erin Harbercek
Address:
Email: erin.harbercek@sentiawellness.com
Phone: Fax:
Processor's License:

Analysis Requested

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/Metrc ID
HDTO-1155 Sentia Unf 1000mg	7/22 12p	✓		✓	✓									prod			Customer facing panel
HDTO-1157 Sentia Lav. 100mg	〃 〃	✓		✓	✓									〃			〃
HDTO-1159 Sentia Lem Gin 1000mg	〃 〃	✓		✓	✓									〃			〃
HDTO-1158 Sentia Pep 1000mg	〃 〃	✓		✓	✓									〃			〃

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑Standard (5 day)		7.22.19	1:30p		7.22.19	1435
☐Rush (3-4 day) (1.5x Standard)		7.22.19	1457		7.22.19	1457
☐Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 19.5
Shipped Via:
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

BM 7.22.19

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1906616**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.194		0.2	%	97.0	85 - 115	Acceptable	
CBDV	0.202		0.2	%	101	85 - 115	Acceptable	
CBD-A	0.200		0.2	%	100	85 - 115	Acceptable	
CBG-A	0.193		0.2	%	96.5	85 - 115	Acceptable	
CBG	0.192		0.2	%	96.0	85 - 115	Acceptable	
CBD	0.200		0.2	%	100	85 - 115	Acceptable	
THCV	0.194		0.2	%	97.0	85 - 115	Acceptable	
THCVA	0.192		0.2	%	96.0	85 - 115	Acceptable	
CBN	0.201		0.2	%	101	85 - 115	Acceptable	
THC	0.192		0.2	%	96.0	85 - 115	Acceptable	
D8THC	0.181		0.2	%	90.5	85 - 115	Acceptable	
CBL	0.187		0.2	%	93.5	85 - 115	Acceptable	
CBC	0.191		0.2	%	95.5	85 - 115	Acceptable	
THCA	0.207		0.2	%	104	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

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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J AOAC 2015 V98-6					Batch ID: 1906616			
Sample Duplicate					Sample ID: **19-008479-0001**			
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	0.194	0.195	0.1	%	0.514	< 20	Acceptable	
CBG-A	0.921	0.921	0.1	%	0	< 20	Acceptable	
CBG	0.324	0.325	0.1	%	0.308	< 20	Acceptable	
CBD	ND	ND	0.1	%	0	< 20	Acceptable	
THCV	ND	ND	0.1	%	0	< 20	Acceptable	
THCVA	0.409	0.404	0.1	%	1.23	< 20	Acceptable	
CBN	0.203	0.195	0.1	%	4.02	< 20	Acceptable	
THC	11.7	11.8	0.1	%	0.851	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	ND	ND	0.1	%	0	< 20	Acceptable	
CBC	0.205	0.209	0.1	%	1.93	< 20	Acceptable	
THCA	67.9	69.7	0.1	%	2.62	< 20	Acceptable	
CBCA	0.951	0.963	0.1	%	1.25	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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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: 1906643	
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		0.892	1.000	89.2	70 - 130	
Acequinocyl	ND	< 1.000		3.960	4.000	99.0	70 - 130	
Acetamiprid	ND	< 0.100		0.428	0.400	107.0	70 - 130	
Aldicarb	ND	< 0.200		0.847	0.800	105.9	70 - 130	
Abamectin	ND	< 0.288		1.020	1.000	102.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Bifenazate	ND	< 0.100		0.424	0.400	106.0	70 - 130	
Bifenthrin	ND	< 0.100		0.396	0.400	99.0	70 - 130	
Boscalid	ND	< 0.100		0.768	0.800	96.0	70 - 130	
Carbaryl	ND	< 0.100		0.423	0.400	105.8	70 - 130	
Carbofuran	ND	< 0.100		0.445	0.400	111.3	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Chlorfenapyr	ND	< 1.000		1.660	2.000	83.0	70 - 130	
Chlorpyrifos	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Clofentezine	ND	< 0.100		0.405	0.400	101.3	70 - 130	
Cyfluthrin	ND	< 1.000		1.740	2.000	87.0	30 - 150	
Cypermethrin	ND	< 1.000		2.110	2.000	105.5	70 - 130	
Daminozide	ND	< 1.000		2.050	2.000	102.5	30 - 150	
Diazinon	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Dichlorvos	ND	< 0.500		1.850	2.000	92.5	70 - 130	
Dimethoat	ND	< 0.100		0.410	0.400	102.5	70 - 130	
Ethoprophos	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Etofenprox	ND	< 0.100		0.890	0.800	111.3	70 - 130	
Etoxazol	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.432	0.400	108.0	70 - 130	
Fenpyroximat	ND	< 0.100		0.867	0.800	108.4	70 - 130	
Fipronil	ND	< 0.100		0.803	0.800	100.4	70 - 130	
Flonicamid	ND	< 0.400		1.040	1.000	104.0	70 - 130	
Fludioxonil	ND	< 0.100		0.885	0.800	110.6	70 - 130	
Hexythiazox	ND	< 0.400		1.060	1.000	106.0	70 - 130	
Imazalil	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Imidacloprid	ND	< 0.200		0.845	0.800	105.6	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.865	0.800	108.1	70 - 130	
Malathion	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Metalaxyl	ND	< 0.100		0.426	0.400	106.5	70 - 130	
Methiocarb	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Methomyl	ND	< 0.200		0.838	0.800	104.8	70 - 130	
MGK 264	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Myclobutanil	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Naled	ND	< 0.200		1.150	1.000	115.0	70 - 130	
Oxamyl	ND	< 0.400		1.900	2.000	95.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.865	0.800	108.1	70 - 130	
Parathion Methyl	ND	< 0.200		1.230	0.800	***153.8***	30 - 150	Q1
Permethrin	ND	< 0.100		0.448	0.400	112.0	70 - 130	
Phosmet	ND	< 0.100		0.423	0.400	105.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.330	2.000	116.5	70 - 130	
Prallethrin	ND	< 0.200		0.857	0.800	107.1	70 - 130	
Propiconazole	ND	< 0.200		0.810	0.800	101.3	70 - 130	
Propoxur	ND	< 0.100		0.406	0.400	101.5	70 - 130	
Pyrethrins	ND	< 0.500		0.326	0.284	114.8	70 - 130	
Pyridaben	ND	< 0.100		0.498	0.400	124.5	70 - 130	
Spinosad	ND	< 0.100		0.424	0.388	109.3	70 - 130	
Spiromesifen	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Spirotetramat	ND	< 0.100		0.410	0.400	102.5	70 - 130	
Spiroxamine	ND	< 0.100		0.897	0.800	112.1	70 - 130	
Tebuconazol	ND	< 0.200		0.844	0.800	105.5	70 - 130	
Thiacloprid	ND	< 0.100		0.411	0.400	102.8	70 - 130	
Thiamethoxam	ND	< 0.100		0.428	0.400	107.0	70 - 130	
Trifloxystrobin	ND	< 0.100		0.431	0.400	107.8	70 - 130	

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number: 19-008626
Report Number: 19-008626-00
Report Date: 07/29/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/22/19 14:57

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: 1906643

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-008698-0004

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.962	0.919	1.000	4.6	< 30	96.2	91.9	50 - 150	
Acequinocyl	0.000	4.750	4.310	4.000	9.7	< 30	118.8	107.8	50 - 150	
Acetamiprid	0.000	0.426	0.361	0.400	16.5	< 30	106.5	90.3	50 - 150	
Aldicarb	0.000	0.844	0.744	0.800	12.6	< 30	105.5	93.0	50 - 150	
Abamectin	0.000	0.915	0.867	1.000	5.4	< 30	91.5	86.7	50 - 150	
Azoxystrobin	0.000	0.371	0.356	0.400	4.1	< 30	92.8	89.0	50 - 150	
Bifenazate	0.000	0.406	0.375	0.400	7.9	< 30	101.5	93.8	50 - 150	
Bifenthrin	0.034	0.538	0.478	0.400	11.8	< 30	126.1	111.1	50 - 150	
Boscalid	0.000	0.747	0.624	0.800	17.9	< 30	93.4	78.0	50 - 150	
Carbaryl	0.000	0.425	0.354	0.400	18.2	< 30	106.3	88.5	50 - 150	
Carbofuran	0.000	0.446	0.385	0.400	14.7	< 30	111.5	96.3	50 - 150	
Chlorantraniliprol	0.000	0.421	0.362	0.400	15.1	< 30	105.3	90.5	50 - 150	
Chlorfenapyr	0.000	1.780	1.450	2.000	20.4	< 30	89.0	72.5	50 - 150	
Chlorpyrifos	0.028	0.369	0.341	0.400	7.9	< 30	85.3	78.3	50 - 150	
Clofentezine	0.000	0.435	0.381	0.400	13.2	< 30	108.8	95.3	50 - 150	
Cyfluthrin	0.000	2.370	2.010	2.000	16.4	< 30	118.5	100.5	30 - 150	
Cypermethrin	0.032	2.030	1.770	2.000	13.7	< 30	99.9	86.9	50 - 150	
Daminozide	0.000	2.070	1.820	2.000	12.9	< 30	103.5	91.0	30 - 150	
Diazinon	0.000	0.418	0.347	0.400	18.6	< 30	104.5	86.8	50 - 150	
Dichlorvos	0.000	1.940	1.680	2.000	14.4	< 30	97.0	84.0	50 - 150	
Dimethoat	0.000	0.409	0.366	0.400	11.1	< 30	102.3	91.5	50 - 150	
Ethoprophos	0.000	0.436	0.371	0.400	16.1	< 30	109.0	92.8	50 - 150	
Etofenprox	0.000	0.928	0.831	0.800	11.0	< 30	116.0	103.9	50 - 150	
Etoxazol	0.000	0.440	0.394	0.400	11.0	< 30	110.0	98.5	50 - 150	
Fenoxycarb	0.000	0.427	0.381	0.400	11.4	< 30	106.8	95.3	50 - 150	
Fenpyroximat	0.000	0.827	0.707	0.800	15.6	< 30	103.4	88.4	50 - 150	
Fipronil	0.000	0.954	0.881	0.800	8.0	< 30	119.3	110.1	50 - 150	
Flonicamid	0.000	1.090	0.912	1.000	17.8	< 30	109.0	91.2	50 - 150	
Fludioxonil	0.000	0.820	0.769	0.800	6.4	< 30	102.5	96.1	50 - 150	
Hexythiazox	0.000	1.090	0.920	1.000	16.9	< 30	109.0	92.0	50 - 150	
Imazalil	0.000	0.356	0.305	0.400	15.4	< 30	89.0	76.3	50 - 150	
Imidacloprid	0.000	0.828	0.733	0.800	12.2	< 30	103.5	91.6	50 - 150	
Kresoxim-Methyl	0.000	0.861	0.763	0.800	12.1	< 30	107.6	95.4	50 - 150	
Malathion	0.000	0.439	0.393	0.400	11.1	< 30	109.8	98.3	50 - 150	
Metalaxyl	0.000	0.418	0.361	0.400	14.6	< 30	104.5	90.3	50 - 150	
Methiocarb	0.000	0.426	0.371	0.400	13.8	< 30	106.5	92.8	50 - 150	
Methomyl	0.000	0.827	0.657	0.800	22.9	< 30	103.4	82.1	50 - 150	
MGK 264	0.000	0.486	0.424	0.400	13.6	< 30	121.5	106.0	50 - 150	
Myclobutanil	0.000	0.417	0.358	0.400	15.2	< 30	104.3	89.5	50 - 150	
Naled	0.000	1.160	0.954	1.000	19.5	< 30	116.0	95.4	50 - 150	
Oxamyl	0.000	1.910	1.670	2.000	13.4	< 30	95.5	83.5	50 - 150	
Paclobutrazol	0.000	0.852	0.740	0.800	14.1	< 30	106.5	92.5	50 - 150	
Parathion Methyl	0.002	0.880	0.859	0.800	2.4	< 30	109.8	107.2	30 - 150	
Permethrin	0.000	0.435	0.348	0.400	22.2	< 30	108.8	87.0	50 - 150	
Phosmet	0.000	0.421	0.374	0.400	11.8	< 30	105.3	93.5	50 - 150	
Piperonyl butoxide	0.000	2.330	2.020	2.000	14.3	< 30	116.5	101.0	50 - 150	
Prallethrin	0.000	1.170	1.110	0.800	5.3	< 30	146.3	138.8	50 - 150	
Propiconazole	0.000	0.849	0.759	0.800	11.2	< 30	106.1	94.9	50 - 150	
Propoxur	0.006	0.419	0.369	0.400	12.7	< 30	103.2	90.7	50 - 150	
Pyrethrins	0.014	0.271	0.236	0.284	13.8	< 30	90.5	78.2	50 - 150	
Pyridaben	0.000	0.453	0.379	0.400	17.8	< 30	113.3	94.8	50 - 150	
Spinosad	0.000	0.398	0.351	0.388	12.6	< 30	102.6	90.5	50 - 150	
Spiromesifen	0.000	0.523	0.455	0.400	13.9	< 30	130.8	113.8	50 - 150	
Spirotetramat	0.000	0.485	0.446	0.400	8.4	< 30	121.3	111.5	50 - 150	
Spiroxamine	0.000	0.887	0.797	0.800	10.7	< 30	110.9	99.6	50 - 150	
Tebuconazol	0.011	0.875	0.743	0.800	16.3	< 30	108.1	91.6	50 - 150	
Thiacloprid	0.000	0.402	0.368	0.400	8.8	< 30	100.5	92.0	50 - 150	
Thiamethoxam	0.000	0.432	0.380	0.400	12.8	< 30	108.0	95.0	50 - 150	
Trifloxystrobin	0.000	0.429	0.369	0.400	9.8	< 30	107.3	92.3	50 - 150	

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number: 19-008626
Report Number: 19-008626-00
Report Date: 07/29/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/22/19 14:57

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

Laboratory Quality Control Results

EPA 5021 **Batch ID:** 1906654

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		911	1200	µg/g	75.9	70	-	130	
Isobutane	ND	<	200		1210	1570	µg/g	77.1	70	-	130	
Butane	ND	<	200		1210	1570	µg/g	77.1	70	-	130	
2,2-dimethylpropane	ND	<	200		1550	1980	µg/g	78.3	70	-	130	
Methanol	ND	<	200		2220	2390	µg/g	92.9	70	-	130	
Ethylene Oxide	ND	<	30		94.7	119	µg/g	79.6	70	-	130	
2-Methylbutane	ND	<	200		2380	2430	µg/g	97.9	70	-	130	
n-Pentane	ND	<	200		2320	2380	µg/g	97.5	70	-	130	
Ethanol	ND	<	200		2180	2400	µg/g	90.8	70	-	130	
Ethyl Ether	ND	<	200		2310	2430	µg/g	95.1	70	-	130	
2,2-Dimethylbutane	ND	<	30		648	620	µg/g	104.5	70	-	130	
Acetone	ND	<	200		2330	2380	µg/g	97.9	70	-	130	
Isopropyl alcohol	ND	<	200		2260	2380	µg/g	95.0	70	-	130	
Acetonitrile	ND	<	100		886	919	µg/g	96.4	70	-	130	
2,3-Dimethylbutane	ND	<	30		283	303	µg/g	93.4	70	-	130	
Dichloromethane	ND	<	200		938	948	µg/g	98.9	70	-	130	
2-Methylpentane	ND	<	30		254	293	µg/g	86.7	70	-	130	
3-Methylpentane	ND	<	30		303	314	µg/g	96.5	70	-	130	
Hexane	ND	<	30		282	297	µg/g	94.9	70	-	130	
Ethyl acetate	ND	<	200		2210	2370	µg/g	93.2	70	-	130	
2-Butanol	ND	<	200		2100	2410	µg/g	87.1	70	-	130	
Tetrahydrofuran	ND	<	100		874	943	µg/g	92.7	70	-	130	
Cyclohexane	ND	<	200		2350	2370	µg/g	99.2	70	-	130	
Benzene	ND	<	1		38.3	38.4	µg/g	99.7	70	-	130	
Isopropyl Acetate	ND	<	200		2250	2420	µg/g	93.0	70	-	130	
Heptane	ND	<	200		2320	2380	µg/g	97.5	70	-	130	
1,4-Dioxane	ND	<	100		907	933	µg/g	97.2	70	-	130	
2-Ethoxyethanol	ND	<	30		2110	2370	µg/g	89.0	70	-	130	
Ethylene Glycol	ND	<	200		900	934	µg/g	96.4	70	-	130	
Toluene	ND	<	200		885	937	µg/g	94.5	70	-	130	
Ethylbenzene	ND	<	200		1740	1920	µg/g	90.6	70	-	130	
m,p-Xylene	ND	<	200		1760	1880	µg/g	93.6	70	-	130	
o-Xylene	ND	<	200		1720	1910	µg/g	90.1	70	-	130	
Cumene	ND	<	30		328	368	µg/g	89.1	70	-	130	

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number: 19-008626
Report Number: 19-008626-00
Report Date: 07/29/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/22/19 14:57

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

QC - Sample Duplicate **Sample ID: 19-008438-0005**

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

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number:	19-008626
Report Number:	19-008626-00
Report Date:	07/29/2019
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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.

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430