PIXIS Labs
A Tentamus Company

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

Job Number:	19-008079-R001
Report Number:	077724-01
Report Date:	07/22/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	07/09/19 16:50

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

This is an amended version of the report# 077724-00.
Reason: Updated Batch ID.

Product identity:	Sentia Pet Dist Drops 7.9.19 750mg	**Client/Metrc ID:**	HDTO-1146
Laboratory ID:	19-008079-0001	**Sample Date:**	07/09/19 14:00

Summary

Potency:

Analyte	Result	Limits	Units	LOQ
CBC†	0.0891		%	0.09
CBD	3.19		%	0.09

Analyte per 1g	Result	Limits	Units	LOQ
CBD per 1g	32.0		mg/1g	1.00

CBD-Total per 1g	32.0 mg/1g
THC-Total per 1g	< 1.886 mg/1g

(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

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: Sentia Pet Dist Drops 7.9.19 750mg
Client/Metrc ID: HDTO-1146
Sample Date: 07/09/19 14:00
Laboratory ID: 19-008079-0001
Relinquished by: Sentia Wellness
Temp: 25.4 °C
Weight Received: 16 g
Serving Size #1: 1.003 g

Sample Results

Potency — Batch: 1906200

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	0.0891		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBC-Total†	0.0891		%	0.164	07/16/19	J AOAC 2015 V98-6	
CBD	3.19		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBD-Total	3.19		%	0.164	07/16/19	J AOAC 2015 V98-6	
CBDV†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBDV-Total†	< LOQ		%	0.163	07/16/19	J AOAC 2015 V98-6	
CBG†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBG-Total†	< LOQ		%	0.163	07/16/19	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
THC-Total	< LOQ		%	0.164	07/16/19	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0871	07/10/19	J AOAC 2015 V98-6	
THCV-Total†	< LOQ		%	0.163	07/16/19	J AOAC 2015 V98-6	

Potency per 1g — Batch: 1906200

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
CBC-A per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	

Testing in accordance with: OAR 333-007-0430

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Potency per 1g — Batch: 1906200

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC-Total per 1g†	< LOQ		mg/1g	1.89	07/16/19	J AOAC 2015 V98-6	
CBD per 1g	32.0		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
CBD-A per 1g	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
CBD-Total per 1g	32.0		mg/1g	1.89	07/16/19	J AOAC 2015 V98-6	
CBDV per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
CBDV-A per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
CBDV-Total per 1g†	< LOQ		mg/1g	1.88	07/16/19	J AOAC 2015 V98-6	
CBG per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
CBG-A per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
CBG-Total per 1g†	< LOQ		mg/1g	1.89	07/16/19	J AOAC 2015 V98-6	
CBL per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
CBN per 1g	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
Δ8-THC per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
Δ9-THC per 1g	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
THC-A per 1g	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
THC-Total per 1g	< LOQ		mg/1g	1.89	07/16/19	J AOAC 2015 V98-6	
THCV per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
THCV-A per 1g†	< LOQ		mg/1g	1.00	07/16/19	J AOAC 2015 V98-6	
THCV-Total per 1g†	< LOQ		mg/1g	1.88	07/16/19	J AOAC 2015 V98-6	

Solvents — **Method** EPA5021A — **Units** µg/g — **Batch** 1906109 — **Analyze** 07/10/19 11:20 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	

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Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1906201 **Analyze** 07/12/19 09:36 AM

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							

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0493	1906294	07/15/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.0493	1906294	07/15/19	AOAC 2013.06	X
Lead	< LOQ		mg/kg	0.0493	1906294	07/15/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.0247	1906294	07/15/19	AOAC 2013.06	X

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

Glossary of Qualifiers

X: Not ORELAP accredited.

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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Laboratory Quality Control Results

EPA 5021 **Batch ID:** 1906109

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		1070	1200	µg/g	89.2	70	-	130	
Isobutane	ND	<	200		1450	1570	µg/g	92.4	70	-	130	
Butane	ND	<	200		1440	1570	µg/g	91.7	70	-	130	
2,2-dimethylpropane	ND	<	200		1740	1980	µg/g	87.9	70	-	130	
Methanol	ND	<	200		2150	2390	µg/g	90.0	70	-	130	
Ethylene Oxide	ND	<	30		104	119	µg/g	87.4	70	-	130	
2-Methylbutane	ND	<	200		2340	2430	µg/g	96.3	70	-	130	
n-Pentane	ND	<	200		2240	2380	µg/g	94.1	70	-	130	
Ethanol	ND	<	200		2180	2400	µg/g	90.8	70	-	130	
Ethyl Ether	ND	<	200		2260	2430	µg/g	93.0	70	-	130	
2,2-Dimethylbutane	ND	<	30		626	620	µg/g	101.0	70	-	130	
Acetone	ND	<	200		2250	2380	µg/g	94.5	70	-	130	
Isopropyl alcohol	ND	<	200		2150	2380	µg/g	90.3	70	-	130	
Ethyl Formate	ND	<	500		2360	2440	µg/g	96.7	70	-	130	
Acetonitrile	ND	<	100		820	919	µg/g	89.2	70	-	130	
Methyl Acetate	ND	<	500		2370	2450	µg/g	96.7	70	-	130	
2,3-Dimethylbutane	ND	<	30		253	303	µg/g	83.5	70	-	130	
Dichloromethane	ND	<	200		905	948	µg/g	95.5	70	-	130	
2-Methylpentane	ND	<	30		278	293	µg/g	94.9	70	-	130	
MTBE	ND	<	500		2320	2440	µg/g	95.1	70	-	130	
3-Methylpentane	ND	<	30		280	314	µg/g	89.2	70	-	130	
Hexane	ND	<	30		278	297	µg/g	93.6	70	-	130	
1-Propanol	ND	<	500		1990	2350	µg/g	84.7	70	-	130	
Methylethylketone	ND	<	500		2360	2400	µg/g	98.3	70	-	130	
Ethyl acetate	ND	<	200		2230	2370	µg/g	94.1	70	-	130	
2-Butanol	ND	<	200		2270	2410	µg/g	94.2	70	-	130	
Tetrahydrofuran	ND	<	100		680	943	µg/g	72.1	70	-	130	
Cyclohexane	ND	<	200		1840	2370	µg/g	77.6	70	-	130	
2-methyl-1-propanol	ND	<	500		1950	2400	µg/g	81.3	70	-	130	
Benzene	ND	<	1		27.7	38.4	µg/g	72.1	70	-	130	
Isopropyl Acetate	ND	<	200		1750	2420	µg/g	72.3	70	-	130	
Heptane	ND	<	200		1720	2380	µg/g	72.3	70	-	130	
1-Butanol	ND	<	500		1900	2370	µg/g	80.2	70	-	130	
Propyl Acetate	ND	<	500		2190	2470	µg/g	88.7	70	-	130	
1,4-Dioxane	ND	<	100		918	933	µg/g	98.4	70	-	130	
2-Ethoxyethanol	ND	<	30		2090	2370	µg/g	88.2	70	-	130	
Methylisobutylketone	ND	<	500		2110	2460	µg/g	85.8	70	-	130	
3-Methyl-1-butanol	ND	<	500		1950	2400	µg/g	81.3	70	-	130	
Ethylene Glycol	ND	<	200		1040	934	µg/g	111.3	70	-	130	
Toluene	ND	<	200		912	937	µg/g	97.3	70	-	130	
Isobutyl Acetate	ND	<	500		2120	2450	µg/g	86.5	70	-	130	
1-Pentanol	ND	<	500		1860	2440	µg/g	76.2	70	-	130	
Butyl Acetate	ND	<	500		2080	2750	µg/g	75.6	70	-	130	
Ethylbenzene	ND	<	200		1580	1920	µg/g	82.3	70	-	130	
m,p-Xylene	ND	<	200		1790	1880	µg/g	95.2	70	-	130	
o-Xylene	ND	<	200		1780	1910	µg/g	93.2	70	-	130	
Cumene	ND	<	30		338	368	µg/g	91.8	70	-	130	
Anisole	ND	<	500		2020	2450	µg/g	82.4	70	-	130	

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QC - Sample Duplicate **Sample ID: 19-007807-0004**

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-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	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	
Cumene	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

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: 19-008079-R001
Report Number: 077724-01
Report Date: 07/22/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/09/19 16:50

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

Laboratory Quality Control Results

JAOAC 2015 V98-6 Batch ID: 1906200

Laboratory Control Sample

Analyte	Result		Spike	Units	%Rec	Limits	Evaluation	Notes
CBDV-A	0.202		0.2	%	101	85 - 115	Acceptable	
CBDV	0.201		0.2	%	101	85 - 115	Acceptable	
CBD-A	0.195		0.2	%	98	85 - 115	Acceptable	
CBG-A	0.206		0.2	%	103	85 - 115	Acceptable	
CBG	0.209		0.2	%	105	85 - 115	Acceptable	
CBD	0.211		0.2	%	106	85 - 115	Acceptable	
THCV	0.198		0.2	%	99	85 - 115	Acceptable	
THCVA	0.194		0.2	%	97	85 - 115	Acceptable	
CBN	0.209		0.2	%	105	85 - 115	Acceptable	
THC	0.201		0.2	%	101	85 - 115	Acceptable	
D8THC	0.191		0.2	%	96	85 - 115	Acceptable	
CBL	0.195		0.2	%	98	85 - 115	Acceptable	
CBC	0.201		0.2	%	101	85 - 115	Acceptable	
THCA	0.207		0.2	%	104	85 - 115	Acceptable	
CBCA	0.186		0.2	%	93	85 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	ND		0.0878	%		< 0.0878	Acceptable	
CBDV	ND		0.0878	%		< 0.0878	Acceptable	
CBD-A	ND		0.0878	%		< 0.0878	Acceptable	
CBG-A	ND		0.0878	%		< 0.0878	Acceptable	
CBG	ND		0.0878	%		< 0.0878	Acceptable	
CBD	ND		0.0878	%		< 0.0878	Acceptable	
THCV	ND		0.0878	%		< 0.0878	Acceptable	
THCVA	ND		0.0878	%		< 0.0878	Acceptable	
CBN	ND		0.0878	%		< 0.0878	Acceptable	
THC	ND		0.0878	%		< 0.0878	Acceptable	
D8THC	ND		0.0878	%		< 0.0878	Acceptable	
CBL	ND		0.0878	%		< 0.0878	Acceptable	
CBC	ND		0.0878	%		< 0.0878	Acceptable	
THCA	ND		0.0878	%		< 0.0878	Acceptable	
CBCA	ND		0.0878	%		< 0.0878	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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-008079-R001
Report Number:	077724-01
Report Date:	07/22/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	07/09/19 16:50

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

JAOAC 2015 V98-6					Batch ID: 1906200			
Sample Duplicate					Sample ID: 19-0080790001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.0871	%	0	< 20	Acceptable	
CBDV	ND	ND	0.0871	%	0	< 20	Acceptable	
CBD-A	ND	ND	0.0871	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.0871	%	0	< 20	Acceptable	
CBG	ND	ND	0.0871	%	0	< 20	Acceptable	
CBD	3.18	3.19	0.0871	%	0.31	< 20	Acceptable	
THCV	ND	ND	0.0871	%	0	< 20	Acceptable	
THCVA	ND	ND	0.0871	%	0	< 20	Acceptable	
CBN	ND	ND	0.0871	%	0	< 20	Acceptable	
THC	ND	ND	0.0871	%	0	< 20	Acceptable	
D8THC	ND	ND	0.0871	%	0	< 20	Acceptable	
CBL	ND	ND	0.0871	%	0	< 20	Acceptable	
CBC	0.0891	0.0891	0.0871	%	0	< 20	Acceptable	
THCA	ND	ND	0.0871	%	0	< 20	Acceptable	
CBCA	ND	ND	0.0871	%	0	< 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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-008079-R001
Report Number: 077724-01
Report Date: 07/22/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/09/19 16:50

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

Revision: 0.01 Control: CFL-C2
Revised: 12/4/2018 Effective: 12/4/2018

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 | Units: mg/Kg | Batch ID: 1906201

	Method Blank			Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		0.856	1.000	85.6	70 - 130	
Acequinocyl	ND	< 1.000		4.260	4.000	106.5	70 - 130	
Acetamiprid	ND	< 0.100		0.422	0.400	105.5	70 - 130	
Aldicarb	ND	< 0.200		0.844	0.800	105.5	70 - 130	
Abamectin	ND	< 0.288		1.000	1.000	100.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.474	0.400	118.5	70 - 130	
Bifenazate	ND	< 0.100		0.431	0.400	107.8	70 - 130	
Bifenthrin	ND	< 0.100		0.483	0.400	120.8	70 - 130	
Boscalid	ND	< 0.100		0.800	0.800	100.0	70 - 130	
Carbaryl	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Carbofuran	ND	< 0.100		0.446	0.400	111.5	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.454	0.400	113.5	70 - 130	
Chlorfenapyr	ND	< 1.000		1.930	2.000	96.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.500	0.400	125.0	70 - 130	
Clofentezine	ND	< 0.100		0.416	0.400	104.0	70 - 130	
Cyfluthrin	ND	< 1.000		1.980	2.000	99.0	30 - 150	
Cypermethrin	ND	< 1.000		2.300	2.000	115.0	70 - 130	
Daminozide	ND	< 1.000		2.120	2.000	106.0	30 - 150	
Diazinon	ND	< 0.100		0.433	0.400	108.3	70 - 130	
Dichlorvos	ND	< 0.500		2.180	2.000	109.0	70 - 130	
Dimethoat	ND	< 0.100		0.411	0.400	102.8	70 - 130	
Ethoprophos	ND	< 0.100		0.427	0.400	106.8	70 - 130	
Etofenprox	ND	< 0.100		0.933	0.800	116.6	70 - 130	
Etoxazol	ND	< 0.100		0.432	0.400	108.0	70 - 130	
Fenoxycarb	ND	< 0.100		0.434	0.400	108.5	70 - 130	
Fenpyroximat	ND	< 0.100		0.923	0.800	115.4	70 - 130	
Fipronil	ND	< 0.100		0.886	0.800	110.8	70 - 130	
Flonicamid	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Fludioxonil	ND	< 0.100		0.831	0.800	103.9	70 - 130	
Hexythiazox	ND	< 0.400		1.140	1.000	114.0	70 - 130	
Imazalil	ND	< 0.100		0.428	0.400	107.0	70 - 130	
Imidacloprid	ND	< 0.200		0.875	0.800	109.4	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.757	0.800	94.6	70 - 130	
Malathion	ND	< 0.100		0.419	0.400	104.8	70 - 130	
Metalaxyl	ND	< 0.100		0.424	0.400	106.0	70 - 130	
Methiocarb	ND	< 0.100		0.427	0.400	106.8	70 - 130	
Methomyl	ND	< 0.200		0.831	0.800	103.9	70 - 130	
MGK 264	ND	< 0.100		0.419	0.400	104.8	70 - 130	
Myclobutanil	ND	< 0.100		0.412	0.400	103.0	70 - 130	
Naled	ND	< 0.200		1.050	1.000	105.0	70 - 130	
Oxamyl	ND	< 0.400		2.030	2.000	101.5	70 - 130	
Padobutrazol	ND	< 0.200		0.900	0.800	112.5	70 - 130	
Parathion Methyl	ND	< 0.200		0.805	0.800	100.6	30 - 150	
Permethrin	ND	< 0.100		0.480	0.400	120.0	70 - 130	
Phosmet	ND	< 0.100		0.455	0.400	113.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.400	2.000	120.0	70 - 130	
Prallethrin	ND	< 0.200		0.418	0.400	104.5	70 - 130	
Propiconazole	ND	< 0.200		0.864	0.800	108.0	70 - 130	
Propoxur	ND	< 0.100		0.423	0.400	105.8	70 - 130	
Pyrethrins	ND	< 0.500		0.323	0.284	113.7	70 - 130	
Pyridaben	ND	< 0.100		0.446	0.400	111.5	70 - 130	
Spinosad	ND	< 0.100		0.452	0.388	116.5	70 - 130	
Spiromesifen	ND	< 0.100		0.450	0.400	112.5	70 - 130	
Spirotetramat	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Spiroxamine	ND	< 0.100		0.939	0.800	117.4	70 - 130	
Tebuconazol	ND	< 0.200		0.856	0.800	107.0	70 - 130	
Thiadoprid	ND	< 0.100		0.416	0.400	104.0	70 - 130	
Thiamethoxam	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Trifloxystrobin	ND	< 0.100		0.415	0.400	103.8	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: 19-008079-R001
Report Number: 077724-01
Report Date: 07/22/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/09/19 16:50

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

Revision: 0.01 Control: CFL-C2
Revised: 12/4/2018 Effective: 12/4/2018

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 | Units: mg/Kg | Batch ID: 1906201

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-008079-0001

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Re	MSD % Re	Limits	Notes
Acephate	0.000	0.269	0.257	1.000	4.6	< 30	26.9	25.7	50 - 150	Q
Acequinocyl	0.000	4.930	4.860	4.000	1.4	< 30	123.3	121.5	50 - 150	
Acetamiprid	0.000	0.411	0.434	0.400	5.4	< 30	102.8	108.5	50 - 150	
Aldicarb	0.000	0.841	0.863	0.800	2.6	< 30	105.1	107.9	50 - 150	
Abamectin	0.000	1.260	1.240	1.000	1.6	< 30	126.0	124.0	50 - 150	
Azoxystrobin	0.000	0.478	0.519	0.400	8.2	< 30	119.5	129.8	50 - 150	
Bifenazate	0.000	0.430	0.449	0.400	4.3	< 30	107.5	112.3	50 - 150	
Bifenthrin	0.000	1.290	1.290	0.400	0.0	< 30	322.5	322.5	50 - 150	Q1
Boscalid	0.000	0.857	0.886	0.800	3.3	< 30	107.1	110.8	50 - 150	
Carbaryl	0.000	0.438	0.437	0.400	0.2	< 30	109.5	109.3	50 - 150	
Carbofuran	0.000	0.455	0.464	0.400	2.0	< 30	113.8	116.0	50 - 150	
Chlorantraniliprol	0.000	0.422	0.413	0.400	2.2	< 30	105.5	103.3	50 - 150	
Chlorfenapyr	0.000	2.450	2.230	2.000	9.4	< 30	122.5	111.5	50 - 150	
Chlorpyrifos	0.000	0.795	0.790	0.400	0.6	< 30	198.8	197.5	50 - 150	Q1
Clofentezine	0.000	0.492	0.507	0.400	3.0	< 30	123.0	126.8	50 - 150	
Cyfluthrin	0.000	3.590	3.570	2.000	0.6	< 30	179.5	178.5	30 - 150	Q1
Cypermethrin	0.000	2.420	2.290	2.000	5.5	< 30	121.0	114.5	50 - 150	
Daminozide	0.000	2.100	2.150	2.000	2.4	< 30	105.0	107.5	30 - 150	
Diazinon	0.000	0.434	0.448	0.400	3.2	< 30	108.5	112.0	50 - 150	
Dichlorvos	0.000	2.250	2.210	2.000	1.8	< 30	112.5	110.5	50 - 150	
Dimethoat	0.000	0.409	0.437	0.400	6.6	< 30	102.3	109.3	50 - 150	
Ethoprophos	0.000	0.432	0.440	0.400	1.8	< 30	108.0	110.0	50 - 150	
Etofenprox	0.000	0.986	0.960	0.800	2.7	< 30	123.3	120.0	50 - 150	
Etoxazol	0.000	0.451	0.473	0.400	4.8	< 30	112.8	118.3	50 - 150	
Fenoxycarb	0.000	0.422	0.432	0.400	2.3	< 30	105.5	108.0	50 - 150	
Fenpyroximat	0.000	0.838	0.868	0.800	3.5	< 30	104.8	108.5	50 - 150	
Fipronil	0.000	1.060	1.100	0.800	3.7	< 30	132.5	137.5	50 - 150	
Flonicamid	0.000	0.963	1.120	1.000	15.1	< 30	96.3	112.0	50 - 150	
Fludioxonil	0.000	0.788	0.764	0.800	3.1	< 30	98.5	95.5	50 - 150	
Hexythiazox	0.000	2.670	2.690	1.000	0.7	< 30	267.0	269.0	50 - 150	Q1
Imazalil	0.000	0.396	0.387	0.400	2.3	< 30	99.0	96.8	50 - 150	
Imidacloprid	0.000	0.855	0.873	0.800	2.1	< 30	106.9	109.1	50 - 150	
Kresoxim-Methyl	0.043	0.910	0.922	0.800	1.3	< 30	108.4	109.9	50 - 150	
Malathion	0.000	0.450	0.457	0.400	1.5	< 30	112.5	114.3	50 - 150	
Metalaxyl	0.000	0.418	0.437	0.400	4.4	< 30	104.5	109.3	50 - 150	
Methiocarb	0.008	0.439	0.451	0.400	2.7	< 30	107.6	110.6	50 - 150	
Methomyl	0.000	0.774	0.855	0.800	9.9	< 30	96.8	106.9	50 - 150	
MGK 264	0.000	0.429	0.463	0.400	7.6	< 30	107.3	115.8	50 - 150	
Myclobutanil	0.000	0.445	0.461	0.400	3.5	< 30	111.3	115.3	50 - 150	
Naled	0.000	1.080	1.130	1.000	4.5	< 30	108.0	113.0	50 - 150	
Oxamyl	0.000	2.000	2.120	2.000	5.8	< 30	100.0	106.0	50 - 150	
Padobutrazol	0.000	1.020	1.010	0.800	1.0	< 30	127.5	126.3	50 - 150	
Parathion Methyl	0.000	0.612	0.753	0.800	20.7	< 30	76.5	94.1	30 - 150	
Permethrin	0.008	0.556	0.545	0.400	2.0	< 30	136.9	134.2	50 - 150	
Phosmet	0.000	0.440	0.462	0.400	4.9	< 30	110.0	115.5	50 - 150	
Piperonyl butoxide	0.000	2.430	2.550	2.000	4.8	< 30	121.5	127.5	50 - 150	
Prallethrin	0.005	0.586	0.560	0.400	4.5	< 30	145.2	138.7	50 - 150	
Propiconazole	0.000	0.951	0.935	0.800	1.7	< 30	118.9	116.9	50 - 150	
Propoxur	0.000	0.428	0.421	0.400	1.6	< 30	107.0	105.3	50 - 150	
Pyrethrins	0.011	0.354	0.359	0.284	1.4	< 30	121.0	122.7	50 - 150	
Pyridaben	0.000	0.355	0.357	0.400	0.6	< 30	88.8	89.3	50 - 150	
Spinosad	0.000	0.391	0.399	0.388	2.0	< 30	100.8	102.8	50 - 150	
Spiromesifen	0.000	0.563	0.578	0.400	2.6	< 30	140.8	144.5	50 - 150	
Spirotetramat	0.000	0.380	0.372	0.400	2.1	< 30	95.0	93.0	50 - 150	
Spiroxamine	0.000	0.914	0.909	0.800	0.5	< 30	114.3	113.6	50 - 150	
Tebuconazol	0.000	0.923	0.954	0.800	3.3	< 30	115.4	119.3	50 - 150	
Thiadoprid	0.000	0.417	0.443	0.400	6.0	< 30	104.3	110.8	50 - 150	
Thiamethoxam	0.000	0.399	0.403	0.400	1.0	< 30	99.8	100.8	50 - 150	
Trifloxystrobin	0.000	0.440	0.440	0.400	0.0	< 30	110.0	110.0	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:	19-008079-R001
Report Number:	077724-01
Report Date:	07/22/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	07/09/19 16:50

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	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