PIXIS Labs
A Tentamus Company

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

Job Number:	19-010899
Report Number:	19-010899-00
Report Date:	09/17/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	09/10/19 13:25

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

Product identity:	Relief Cream - DHD	**Client/Metrc ID:**	.
Laboratory ID:	19-010899-0001	**Sample Date:**	

Summary

Potency:

Analyte per 1g	Result	Limits	Units	LOQ
CBD per 1g	4.63		mg/1g	0.03

CBD-Total per 1g	4.63 mg/1g
THC-Total per 1g	< 0.063 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.

Microbiology:

Less than LOQ for all analytes.

Testing in accordance with: OAR 333-007-0430

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Customer: Nightingale Remedies

Product identity: Relief Cream - DHD
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-010899-0001
Relinquished by: Nightingale Enterprises
Temp: 23.3 °C
Serving Size #1: 1 g

Sample Results

Potency per 1g — Batch: 1908281

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBC-A per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBC-Total per 1g†	< LOQ		mg/1g	0.0626	09/16/19	J AOAC 2015 V98-6	
CBD per 1g	4.63		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBD-A per 1g	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBD-Total per 1g	4.63		mg/1g	0.0626	09/16/19	J AOAC 2015 V98-6	
CBDV per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBDV-A per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBDV-Total per 1g†	< LOQ		mg/1g	0.0622	09/16/19	J AOAC 2015 V98-6	
CBG per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBG-A per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBG-Total per 1g†	< LOQ		mg/1g	0.0626	09/16/19	J AOAC 2015 V98-6	
CBL per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
CBN per 1g	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
Δ8-THC per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
Δ9-THC per 1g	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
THC-A per 1g	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
THC-Total per 1g	< LOQ		mg/1g	0.0626	09/16/19	J AOAC 2015 V98-6	
THCV per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
THCV-A per 1g†	< LOQ		mg/1g	0.0333	09/16/19	J AOAC 2015 V98-6	
THCV-Total per 1g†	< LOQ		mg/1g	0.0622	09/16/19	J AOAC 2015 V98-6	

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0430

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1908148	09/13/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1908148	09/13/19	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1908145	09/13/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1908145	09/13/19	AOAC 2014.05 (RAPID)	X

Solvents

Method EPA5021A **Units** µg/g **Batch** 1908159 **Analyze** 09/11/19 12:28 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	

Testing in accordance with: OAR 333-007-0390 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** 1908191 **Analyze** 09/11/19 08:07 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							

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0487	1908295	09/13/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0487	1908295	09/13/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0487	1908295	09/13/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0243	1908295	09/13/19	AOAC 2013.06 (mod.)	X

Testing in accordance with: OAR 333-007-0390 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

cfu/g = Colony forming units per gram
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 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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Laboratory Quality Control Results

EPA 5021 **Batch ID:** 1908159

Method Blank					Laboratory Control Sample							
Analyte	Result		LOQ	Notes	Result	Spike	Units	% Rec	Limits			Notes
Propane	ND	<	200		1540	1200	µg/g	128.3	70	-	130	
Isobutane	ND	<	200		1870	1570	µg/g	119.1	70	-	130	
Butane	ND	<	200		1960	1570	µg/g	124.8	70	-	130	
2,2-dimethylpropane	ND	<	200		2360	1980	µg/g	119.2	70	-	130	
Methanol	ND	<	200		3010	2400	µg/g	125.4	70	-	130	
Ethylene Oxide	ND	<	30		152	119	µg/g	127.7	70	-	130	
2-Methylbutane	ND	<	200		3150	2400	µg/g	131.3	70	-	130	Q1
n-Pentane	ND	<	200		3080	2380	µg/g	129.4	70	-	130	
Ethanol	ND	<	200		3110	2400	µg/g	129.6	70	-	130	
Ethyl Ether	ND	<	200		3050	2410	µg/g	126.6	70	-	130	
2,2-Dimethylbutane	ND	<	30		805	636	µg/g	126.6	70	-	130	
Acetone	ND	<	200		2980	2390	µg/g	124.7	70	-	130	
Isopropyl alcohol	ND	<	200		3030	2400	µg/g	126.3	70	-	130	
Acetonitrile	ND	<	100		1190	963	µg/g	123.6	70	-	130	
2,3-Dimethylbutane	ND	<	30		795	641	µg/g	124.0	70	-	130	
Dichloromethane	ND	<	200		1210	958	µg/g	126.3	70	-	130	Q1
2-Methylpentane	ND	<	30		409	317	µg/g	129.0	70	-	130	Q1
3-Methylpentane	ND	<	30		423	319	µg/g	132.6	70	-	130	
Hexane	ND	<	30		424	322	µg/g	131.7	70	-	130	
Ethyl acetate	ND	<	200		2960	2410	µg/g	122.8	70	-	130	
2-Butanol	ND	<	200		3040	2400	µg/g	126.7	70	-	130	
Tetrahydrofuran	ND	<	100		1230	965	µg/g	127.5	70	-	130	
Cyclohexane	ND	<	200		2950	2400	µg/g	122.9	70	-	130	
Benzene	ND	<	1		52.2	41.6	µg/g	125.5	70	-	130	
Isopropyl Acetate	ND	<	200		2840	2400	µg/g	118.3	70	-	130	
Heptane	ND	<	200		2880	2400	µg/g	120.0	70	-	130	
1,4-Dioxane	ND	<	100		1180	975	µg/g	121.0	70	-	130	
2-Ethoxyethanol	ND	<	30		2800	2400	µg/g	116.7	70	-	130	
Ethylene Glycol	ND	<	200		885	984	µg/g	89.9	70	-	130	
Toluene	ND	<	200		1170	973	µg/g	120.2	70	-	130	
Ethylbenzene	ND	<	200		2240	1930	µg/g	116.1	70	-	130	
m,p-Xylene	ND	<	200		2230	1930	µg/g	115.5	70	-	130	
o-Xylene	ND	<	200		2230	1930	µg/g	115.5	70	-	130	
Cumene	ND	<	30		346	328	µg/g	105.5	70	-	130	

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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QC - Sample Duplicate **Sample ID: 19-010720-0001**

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	9190	9220	200	µg/g	0.3	< 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 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg				Batch ID: 1908191	
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	0.000	< 0.200		0.913	1.000	91.3	69.8 - 117	
Acequinocyl	0.046	< 1.000		3.643	4.000	91.1	72.9 - 135	
Acetamiprid	0.005	< 0.100		0.357	0.400	89.4	81.6 - 116	
Aldicarb	0.000	< 0.200		0.784	0.800	98.0	78.7 - 118	
Abamectin	0.000	< 0.288		0.925	1.000	92.5	81.4 - 113	
Azoxystrobin	0.000	< 0.100		0.361	0.400	90.3	82.3 - 114	
Bifenazate	0.000	< 0.100		0.363	0.400	90.9	84.7 - 115	
Bifenthrin	0.001	< 0.100		0.379	0.400	94.7	82.0 - 113	
Boscalid	0.000	< 0.100		0.732	0.800	91.6	80.6 - 125	
Carbaryl	0.000	< 0.100		0.368	0.400	92.0	85.1 - 113	
Carbofuran	0.001	< 0.100		0.360	0.400	89.9	82.6 - 121	
Chlorantraniliprol	0.000	< 0.100		0.374	0.400	93.6	68.3 - 120	
Chlorfenapyr	0.500	< 1.000		1.926	2.000	96.3	69.1 - 126	
Chlorpyrifos	0.000	< 0.100		0.377	0.400	94.4	80.3 - 113	
Clofentezine	0.004	< 0.100		0.254	0.400	63.6	57.0 - 106	
Cyfluthrin	0.260	< 1.000		2.170	2.000	108.5	82.2 - 118	
Cypermethrin	0.002	< 1.000		1.863	2.000	93.2	85.8 - 108	
Daminozide	0.113	< 1.000		0.658	2.000	32.9	24.9 - 46.2	
Diazinon	0.010	< 0.100		0.346	0.400	86.4	71.3 - 125	
Dichlorvos	0.007	< 0.500		1.840	2.000	92.0	80.5 - 111	
Dimethoat	0.002	< 0.100		0.358	0.400	89.5	85.0 - 109	
Ethoprophos	0.005	< 0.100		0.362	0.400	90.5	88.0 - 111	
Etofenprox	0.004	< 0.100		0.718	0.800	89.7	88.6 - 111	
Etoxazol	0.010	< 0.100		0.335	0.400	83.8	74.9 - 139	
Fenoxycarb	0.000	< 0.100		0.364	0.400	91.0	75.4 - 124	
Fenpyroximat	0.005	< 0.100		0.731	0.800	91.3	85.8 - 113	
Fipronil	0.017	< 0.100		0.761	0.800	95.1	75.9 - 126	
Flonicamid	0.000	< 0.400		0.878	1.000	87.8	77.6 - 116	
Fludioxonil	0.000	< 0.100		0.728	0.800	91.0	80.7 - 111	
Hexythiazox	0.000	< 0.400		0.987	1.000	98.7	75.1 - 118	
Imazalil	0.000	< 0.100		0.358	0.400	89.5	83.0 - 117	
Imidacloprid	0.000	< 0.200		0.704	0.800	88.0	84.7 - 111	
Kresoxim-Methyl	0.000	< 0.100		0.730	0.800	91.2	77.2 - 123	
Malathion	0.006	< 0.100		0.344	0.400	86.0	83.5 - 117	
Metalaxyl	0.006	< 0.100		0.366	0.400	91.6	85.4 - 109	
Methiocarb	0.000	< 0.100		0.395	0.400	98.9	82.0 - 116	
Methomyl	0.000	< 0.200		0.699	0.800	87.3	71.7 - 121	
MGK 264	0.000	< 0.100		0.372	0.400	93.1	80.7 - 120	
Myclobutanil	0.005	< 0.100		0.353	0.400	88.3	84.0 - 114	
Naled	0.000	< 0.200		0.836	1.000	83.6	63.4 - 118	
Oxamyl	0.000	< 0.400		1.690	2.000	84.5	72.6 - 119	
Paclobutrazol	0.018	< 0.200		0.706	0.800	88.3	82.5 - 125	
Parathion Methyl	0.000	< 0.200		0.768	0.800	96.0	72.3 - 134	
Permethrin	0.000	< 0.100		0.372	0.400	93.0	84.9 - 110	
Phosmet	0.002	< 0.100		0.362	0.400	90.5	79.9 - 119	
Piperonyl butoxide	0.001	< 1.000		1.944	2.000	97.2	85.4 - 114	
Prallethrin	0.001	< 0.200		0.380	0.400	94.9	77.7 - 121	
Propiconazole	0.093	< 0.200		0.735	0.800	91.8	80.9 - 115	
Propoxur	0.000	< 0.100		0.362	0.400	90.6	79.1 - 121	
Pyrethrins	0.000	< 0.500		0.296	0.284	104.2	88.3 - 123	
Pyridaben	0.002	< 0.100		0.375	0.400	93.8	78.8 - 119	
Spinosad	0.000	< 0.100		0.366	0.388	94.5	77.6 - 134	
Spiromesifen	0.000	< 0.100		0.378	0.400	94.6	70.6 - 122	
Spirotetramat	0.000	< 0.100		0.344	0.400	86.0	71.8 - 124	
Spiroxamine	0.012	< 0.100		0.705	0.800	88.1	81.3 - 117	
Tebuconazol	0.012	< 0.200		0.702	0.800	87.7	76.1 - 120	
Thiacloprid	0.000	< 0.100		0.354	0.400	88.6	78.7 - 116	
Thiamethoxam	0.000	< 0.100		0.333	0.400	83.3	74.3 - 119	
Trifloxystrobin	0.000	< 0.100		0.370	0.400	92.6	88.0 - 114	

Testing in accordance with: OAR 333-007-0390 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: 19-010899
Report Number: 19-010899-00
Report Date: 09/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/10/19 13:25

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Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg						Batch ID: 1908191	
Matrix Spike/Matrix Spike Duplicate Recoveries							Sample ID: 19-010882-0001			
Analyte	**Result**	**MS Res**	**MSD Res**	**Spike**	**RPD%**	**Limit**	**MS % Rec**	**MSD % Rec**	**Limits**	**Notes**
Acephate	0.000	0.609	0.677	1.000	10.6	< 30	60.9	67.7	50 - 150	
Acequinocyl	0.000	4.699	4.784	4.000	1.8	< 30	117.5	119.6	50 - 150	
Acetamiprid	0.000	0.385	0.400	0.400	3.8	< 30	96.4	100.1	50 - 150	
Aldicarb	0.000	0.326	0.353	0.800	8.1	< 30	***40.7***	***44.2***	50 - 150	Q
Abamectin	0.000	0.812	0.843	1.000	3.8	< 30	81.2	84.3	50 - 150	
Azoxystrobin	0.000	0.406	0.417	0.400	2.9	< 30	101.4	104.4	50 - 150	
Bifenazate	0.000	0.144	0.140	0.400	2.3	< 30	***35.9***	***35.1***	50 - 150	Q
Bifenthrin	0.000	0.439	0.432	0.400	1.5	< 30	109.7	108.0	50 - 150	
Boscalid	0.000	0.474	0.538	0.800	12.5	< 30	59.3	67.2	50 - 150	
Carbaryl	0.000	0.435	0.460	0.400	5.7	< 30	108.7	115.0	50 - 150	
Carbofuran	0.000	0.450	0.479	0.400	6.3	< 30	112.4	119.8	50 - 150	
Chlorantraniliprol	0.000	0.331	0.363	0.400	9.3	< 30	82.6	90.7	50 - 150	
Chlorfenapyr	0.000	1.345	1.404	2.000	4.3	< 30	67.3	70.2	50 - 150	
Chlorpyrifos	0.000	0.281	0.282	0.400	0.2	< 30	70.3	70.4	50 - 150	
Clofentezine	0.000	0.295	0.301	0.400	2.2	< 30	73.7	75.3	50 - 150	
Cyfluthrin	0.000	2.919	2.941	2.000	0.8	< 30	145.9	147.0	30 - 150	
Cypermethrin	0.000	2.276	2.259	2.000	0.8	< 30	113.8	112.9	50 - 150	
Daminozide	0.000	0.763	0.815	2.000	6.6	< 30	38.1	40.7	30 - 150	
Diazinon	0.000	0.222	0.230	0.400	3.6	< 30	55.5	57.5	50 - 150	
Dichlorvos	0.000	2.123	2.206	2.000	3.8	< 30	106.2	110.3	50 - 150	
Dimethoat	0.000	0.394	0.420	0.400	6.4	< 30	98.6	105.1	50 - 150	
Ethoprophos	0.000	0.115	0.107	0.400	7.3	< 30	***28.8***	***26.7***	50 - 150	Q
Etofenprox	0.000	0.844	0.857	0.800	1.5	< 30	105.5	107.1	50 - 150	
Etoxazol	0.000	0.342	0.354	0.400	3.5	< 30	85.6	88.6	50 - 150	
Fenoxycarb	0.000	0.261	0.261	0.400	0.2	< 30	65.3	65.2	50 - 150	
Fenpyroximat	0.000	0.658	0.669	0.800	1.8	< 30	82.2	83.7	50 - 150	
Fipronil	0.000	0.763	0.686	0.800	10.7	< 30	95.4	85.8	50 - 150	
Flonicamid	0.000	0.617	0.649	1.000	5.0	< 30	61.7	64.9	50 - 150	
Fludioxonil	0.000	0.714	0.784	0.800	9.4	< 30	89.2	98.0	50 - 150	
Hexythiazox	0.000	0.893	0.914	1.000	2.3	< 30	89.3	91.4	50 - 150	
Imazalil	0.000	0.433	0.443	0.400	2.2	< 30	108.4	110.8	50 - 150	
Imidacloprid	0.000	0.487	0.508	0.800	4.2	< 30	60.8	63.4	50 - 150	
Kresoxim-Methyl	0.000	0.522	0.513	0.800	1.9	< 30	65.3	64.1	50 - 150	
Malathion	0.000	0.384	0.404	0.400	5.2	< 30	95.9	101.0	50 - 150	
Metalaxyl	0.000	0.357	0.372	0.400	4.0	< 30	89.3	93.0	50 - 150	
Methiocarb	0.000	0.229	0.225	0.400	1.7	< 30	57.1	56.2	50 - 150	
Methomyl	0.000	0.653	0.660	0.800	1.1	< 30	81.6	82.5	50 - 150	
MGK 264	0.000	0.290	0.300	0.400	3.4	< 30	72.5	75.0	50 - 150	
Myclobutanil	0.000	0.895	0.910	0.400	1.7	< 30	***223.7***	***227.5***	50 - 150	Q
Naled	0.000	0.961	0.984	1.000	2.4	< 30	96.1	98.4	50 - 150	
Oxamyl	0.000	1.012	1.086	2.000	7.0	< 30	50.6	54.3	50 - 150	
Paclobutrazol	0.000	0.612	0.617	0.800	0.9	< 30	76.5	77.1	50 - 150	
Parathion Methyl	0.000	0.722	0.826	0.800	13.4	< 30	90.2	103.2	30 - 150	
Permethrin	0.000	0.336	0.350	0.400	4.1	< 30	84.1	87.6	50 - 150	
Phosmet	0.000	0.428	0.424	0.400	0.9	< 30	107.0	106.1	50 - 150	
Piperonyl butoxide	0.000	1.581	1.616	2.000	2.2	< 30	79.0	80.8	50 - 150	
Prallethrin	0.000	0.364	0.348	0.400	4.3	< 30	90.9	87.1	50 - 150	
Propiconazole	0.000	0.465	0.489	0.800	4.9	< 30	58.2	61.1	50 - 150	
Propoxur	0.000	0.489	0.511	0.400	4.4	< 30	122.2	127.7	50 - 150	
Pyrethrins	0.000	0.276	0.244	0.284	12.3	< 30	97.0	85.8	50 - 150	
Pyridaben	0.000	0.632	0.642	0.400	1.6	< 30	***158.1***	***160.5***	50 - 150	Q
Spinosad	0.000	0.312	0.317	0.388	1.4	< 30	80.5	81.6	50 - 150	
Spiromesifen	0.000	0.573	0.556	0.400	3.0	< 30	143.3	139.0	50 - 150	
Spirotetramat	0.000	0.050	0.052	0.400	5.3	< 30	***12.4***	***13.1***	50 - 150	Q
Spiroxamine	0.000	0.809	0.838	0.800	3.5	< 30	101.1	104.7	50 - 150	
Tebuconazol	0.000	0.654	0.658	0.800	0.7	< 30	81.7	82.3	50 - 150	
Thiacloprid	0.000	0.299	0.308	0.400	3.2	< 30	74.7	77.1	50 - 150	
Thiamethoxam	0.000	0.169	0.180	0.400	6.4	< 30	***42.2***	***45.0***	50 - 150	Q
Trifloxystrobin	0.000	0.386	0.403	0.400	2.8	< 30	96.6	100.7	50 - 150	

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

PIXIS Labs
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12423 NE Whitaker Way
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503-254-1794

Job Number: 19-010899
Report Number: 19-010899-00
Report Date: 09/17/2019
ORELAP#: OR100028
Purchase Order:
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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1908281**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00924		0.01	%	92.4	85 - 115	Acceptable	
CBDV	0.0101		0.01	%	101	85 - 115	Acceptable	
CBD-A	0.00952		0.01	%	95.2	85 - 115	Acceptable	
CBG-A	0.00938		0.01	%	93.8	85 - 115	Acceptable	
CBG	0.00951		0.01	%	95.1	85 - 115	Acceptable	
CBD	0.00989		0.01	%	98.9	85 - 115	Acceptable	
THCV	0.00981		0.01	%	98.1	85 - 115	Acceptable	
THCVA	0.00933		0.01	%	93.3	85 - 115	Acceptable	
CBN	0.00956		0.01	%	95.6	85 - 115	Acceptable	
THC	0.00979		0.01	%	97.9	85 - 115	Acceptable	
D8THC	0.00938		0.01	%	93.8	85 - 115	Acceptable	
CBL	0.00951		0.01	%	95.1	85 - 115	Acceptable	
CBC	0.00942		0.01	%	94.2	85 - 115	Acceptable	
THCA	0.00963		0.01	%	96.3	85 - 115	Acceptable	
CBCA	0.01		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

Testing in accordance with: OAR 333-007-0390 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: 19-010899
Report Number: 19-010899-00
Report Date: 09/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 09/10/19 13:25

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J AOAC 2015 V98-6					Batch ID: 1908281			
Sample Duplicate					Sample ID: **19-010952-0008**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	0.00673	0.00658	0.003	%	2.25	< 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	1.28	1.28	0.003	%	0	< 20	Acceptable	
THCV	ND	ND	0.003	%	0	< 20	Acceptable	
THCVA	ND	ND	0.003	%	0	< 20	Acceptable	
CBN	0.00346	0.00402	0.003	%	15.0	< 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	0.00924	0.00906	0.003	%	1.97	< 20	Acceptable	
THCA	ND	ND	0.003	%	0	< 20	Acceptable	
CBCA	ND	ND	0.003	%	0	< 20	Acceptable	

Abbreviations

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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.

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430