PIXIS Labs
A Tentamus Company

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

Job Number:	19-006654
Report Number:	19-006654-000
Report Date:	06/17/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/11/19 07:30

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

Customer: Speedy Grow
Product identity: 1000mg Roll-On Relief 30ml
Laboratory ID: 19-006654-0002
Client/Metrc ID: Lot: ROR-523191
Sample Date:

Summary

Potency:

Analyte	Result	Limits	Units	LOQ
CBC†	0.179		%	0.0032
CBD	4.57		%	0.0323
CBDV†	0.0302		%	0.0032
CBG†	0.148		%	0.0032
Δ9-THC	0.209		%	0.0032

Analyte per 1g	Result	Limits	Units	LOQ
CBC per 1g†	1.79		mg/1g	0.0333
CBD per 1g	45.7		mg/1g	0.0333
CBDV per 1g†	0.302		mg/1g	0.0333
CBG per 1g†	1.48		mg/1g	0.0333
Δ9-THC per 1g	2.09		mg/1g	0.0333

CBD-Total (%)	4.57 %
THC-Total (%)	0.209 %
CBD-Total per 1g	45.7 mg/1g
THC-Total per 1g	2.09 mg/1g

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
Eucalyptol†	1.01	27.39	(R)-(+)-Limonene†	0.840	22.83
Menthol†	0.455	12.36	ß-Caryophyllene†	0.307	8.34
gamma-Terpinene†	0.214	5.80	(-)-ß-Pinene†	0.181	4.92
a-pinene†	0.111	3.02	Geranyl acetate†	0.109	2.95
Linalool†	0.0943	2.56	Humulene†	0.0931	2.53
(-)-a-Terpineol†	0.0629	1.71	(+)-Borneol†	0.0432	1.17
p-Cymene†	0.0376	1.02	Sabinene†	0.0352	0.96
(+)-Pulegone†	0.0316	0.86	ß-Myrcene†	0.0291	0.79
a-Bisabolol†	0.0245	0.67			

Testing in accordance with: OAR 333-007-0430

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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: Speedy Grow

Product identity: 1000mg Roll-On Relief 30ml
Client/Metrc ID: Lot: ROR-523191
Sample Date:
Laboratory ID: 19-006654-0002
Relinquished by: Received By Mail
Temp: 24.1 °C
Serving Size #1: 1 g

Sample Results

Potency — Batch: 1905257

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	0.179		%	0.0032	06/13/19	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
CBC-Total†	0.179		%	0.0063	06/14/19	J AOAC 2015 V98-6	
CBD	4.57		%	0.0323	06/13/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
CBD-Total	4.57		%	0.0351	06/14/19	J AOAC 2015 V98-6	
CBDV†	0.0302		%	0.0032	06/13/19	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
CBDV-Total†	0.0302		%	0.0062	06/14/19	J AOAC 2015 V98-6	
CBG†	0.148		%	0.0032	06/13/19	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
CBG-Total†	0.148		%	0.0063	06/14/19	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
Δ9-THC	0.209		%	0.0032	06/13/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
THC-Total	0.209		%	0.0063	06/14/19	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0032	06/13/19	J AOAC 2015 V98-6	
THCV-Total†	< LOQ		%	0.0062	06/14/19	J AOAC 2015 V98-6	

Potency per 1g — Batch: 1905257

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1g†	1.79		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
CBC-A per 1g†	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
CBC-Total per 1g†	1.79		mg/1g	0.0626	06/14/19	J AOAC 2015 V98-6	
CBD per 1g	45.7		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
CBD-A per 1g	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	

Testing in accordance with: OAR 333-007-0430

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Potency per 1g

Batch: 1905257

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD-Total per 1g	45.7		mg/1g	0.0626	06/14/19	J AOAC 2015 V98-6	
CBDV per 1g†	0.302		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
CBDV-A per 1g†	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
CBDV-Total per 1g†	0.302		mg/1g	0.0622	06/14/19	J AOAC 2015 V98-6	
CBG per 1g†	1.48		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
CBG-A per 1g†	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
CBG-Total per 1g†	1.48		mg/1g	0.0626	06/14/19	J AOAC 2015 V98-6	
CBL per 1g†	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
CBN per 1g	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
Δ8-THC per 1g†	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
Δ9-THC per 1g	2.09		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
THC-A per 1g	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
THC-Total per 1g	2.09		mg/1g	0.0626	06/14/19	J AOAC 2015 V98-6	
THCV per 1g†	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
THCV-A per 1g†	< LOQ		mg/1g	0.0333	06/14/19	J AOAC 2015 V98-6	
THCV-Total per 1g†	< LOQ		mg/1g	0.0622	06/14/19	J AOAC 2015 V98-6	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1905117	06/13/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1905117	06/13/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1905116	06/13/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1905116	06/13/19	AOAC 2014.05 (RAPID)	X

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

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Solvents **Method** SOPC503 **Units** µg/g **Batch** 1905113 **Analyze** 06/11/19 09:02 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** 1905210 **Analyze** 06/12/19 04:38 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 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

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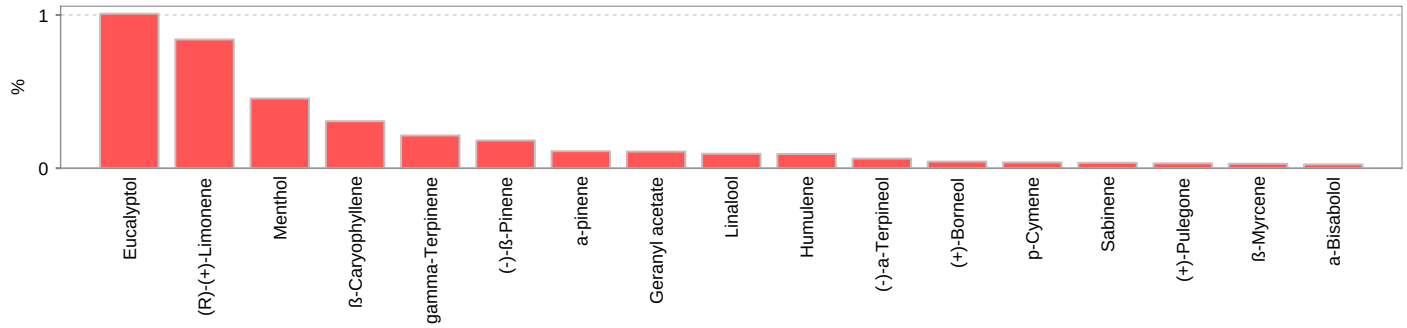
Terpenes **Method** J AOAC 2015 V98-6 **Units** % **Batch** 1905118 **Analyze** 06/13/19 08:01 PM

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
Eucalyptol†	1.01	0.020	27.39%		(R)-(+)-Limonene†	0.840	0.020	22.83%	
Menthol†	0.455	0.020	12.36%		ß-Caryophyllene†	0.307	0.020	8.34%	
gamma-Terpinene†	0.214	0.020	5.80%		(-)-ß-Pinene†	0.181	0.020	4.92%	
a-pinene†	0.111	0.020	3.02%		Geranyl acetate†	0.109	0.020	2.95%	
Linalool†	0.0943	0.020	2.56%		Humulene†	0.0931	0.020	2.53%	
(-)-a-Terpineol†	0.0629	0.020	1.71%		(+)-Borneol†	0.0432	0.020	1.17%	
p-Cymene†	0.0376	0.020	1.02%		Sabinene†	0.0352	0.020	0.96%	
(+)-Pulegone†	0.0316	0.020	0.86%		ß-Myrcene†	0.0291	0.020	0.79%	
a-Bisabolol†	0.0245	0.020	0.67%		(-)-caryophyllene oxide†	< LOQ	0.020	0.00%	
(-)-Guaiol†	< LOQ	0.020	0.00%		(-)-Isopulegol†	< LOQ	0.020	0.00%	
(+)-Cedrol†	< LOQ	0.020	0.00%		(+)-fenchol†	< LOQ	0.020	0.00%	
(±)-Camphor†	< LOQ	0.020	0.00%		(±)-cis-Nerolidol†	< LOQ	0.020	0.00%	
(±)-fenchone†	< LOQ	0.020	0.00%		(±)-trans-Nerolidol†	< LOQ	0.020	0.00%	
a-cedrene†	< LOQ	0.020	0.00%		a-phellandrene†	< LOQ	0.020	0.00%	
a-Terpinene†	< LOQ	0.020	0.00%		Camphene†	< LOQ	0.020	0.00%	
cis-ß-Ocimene†	< LOQ	0.006	0.00%		d-3-Carene†	< LOQ	0.020	0.00%	
farnesene†	< LOQ	0.020	0.00%		Geraniol†	< LOQ	0.020	0.00%	
Isoborneol†	< LOQ	0.020	0.00%		nerol†	< LOQ	0.020	0.00%	
Sabinene hydrate†	< LOQ	0.020	0.00%		Terpinolene†	< LOQ	0.020	0.00%	
trans-ß-Ocimene†	< LOQ	0.013	0.00%		valencene†	< LOQ	0.020	0.00%	

Total Terpenes **3.68**



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

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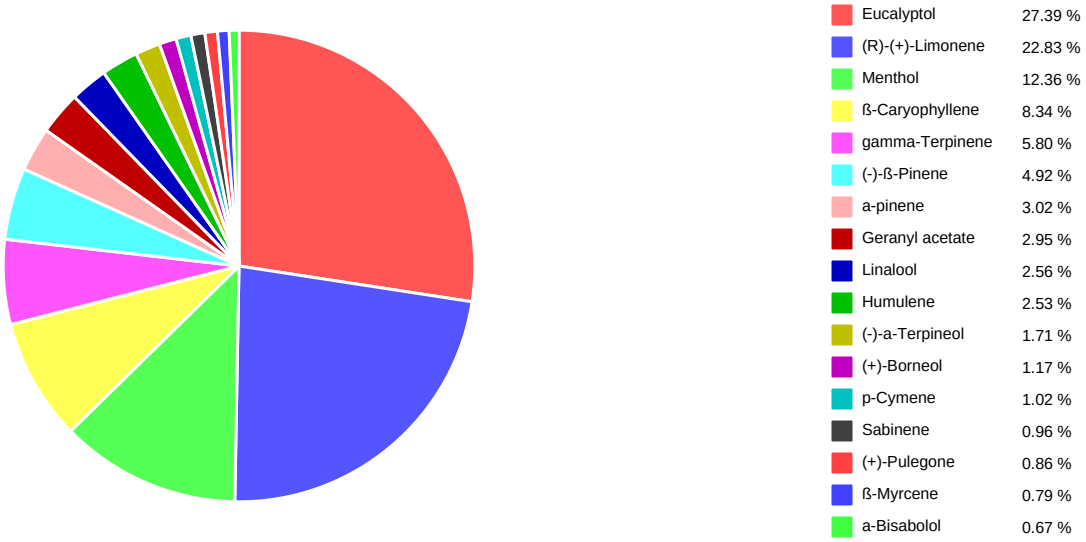

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0500	1905340	06/14/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.0500	1905340	06/14/19	AOAC 2013.06	X
Lead	< LOQ		mg/kg	0.0500	1905340	06/14/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.0250	1905340	06/14/19	AOAC 2013.06	X

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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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PIXIS Labs
A Tentamus Company

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

Cannabis Chain of Custody Record

19-006654 ORELAP ID: OR100028

Company: Speedy Grow
Contact: Craig Miles
Address: 2138 Bond St. Grand Jun
Email: craig@speedygrow.com
Phone: 801-731-9900 Fax:
Processor's License: N/A

Analysis Requested

Notes:
Please provide the Total CBD mg/g
Total Mg per Container
Show CBD and THC as a %
Please use as low as of a LOQ as possible and report in %

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
1	25% Low-THC					x										Tincture		mg/g	Lot:
	Concentrate																		SGI-LT-25%-060719
2	1000mg Roll-On			x		x	x			x	x	x	x			Topical		mg/g	Lot: ROR-523191
	Relief 30ml																		
3	333mg Roll-On			x		x	x			x	x	x	x			Topical		mg/g	Lot: ROR-523191
	Relief 10ml																		

Collected By:	Relinquished By: Craig	Date 06-07	Time	Received by:	Date	Time
☑Standard (5 day)					6/11/19	7:30
☐Rush (3-4 day) (1.5x Standard)	6-7-19					
☐Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 24.1
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: 1.00 Control#: CF023
Effective 11/8/2018 Revised 11/8/2018

www.pixislabs.com

Page 1 of 2

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:	19-006654
Report Number:	19-006654-000
Report Date:	06/17/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/11/19 07:30

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

ColumbiaFood LABORATORIES
A Tentamus Company

Columbia Food/Pixis Labs
Sample Receipt Form

Revision: 1.00 Document Control: CF015
Revised: 04/25/2019 Effective: 05/11/2019

Job Number: 19-006654 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 6/11/19 Time: 7:30

Received By (Initials): m

1)	Were custody seals on outside of the package/cooler? If YES, how many and where? _____	YES NO	NA
	Were signature and date correct? ----------	YES NO	NA
2)	Were custody papers included in the package/cooler?	YES NO NA	
3)	Were custody papers properly filled out (ink, sign, date)?	YES NO NA	
4)	Did you sign custody papers in the appropriate place?	YES NO NA	

5) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): _____

6)	Was packing material used?	YES NO	NA

Peanuts Bubble Wrap Foam Paper Other:

7)	Was sufficient ice used (if appropriate)? What kind?	YES NO	NA

Blue Ice Ice Cooler Packs Dry Ice

8)	Were all sample containers sealed in separate plastic bags?	YES NO	NA
9)	Did all sample containers arrive in good condition?	YES NO	NA
10)	Were all sample container labels complete?	YES NO	NA
11)	Did all sample container labels and tags agree with the coc?	YES NO	NA
12)	Were correct sample containers used for the tests indicated?	YES NO	NA
13)	Were VOA vials checked for absence of air bubbles (note if found)?	YES NO	NA
14)	Was a sufficient amount of sample sent in each sample container?	YES NO	NA
15)	Temperature of the samples upon receipt (See SOP for proper temps)	24.1 °C	

16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: _____

Page 2 of 2

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: 19-006654
Report Number: 19-006654-000
Report Date: 06/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/11/19 07:30

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

Laboratory Quality Control Results

EPA 5021 **Batch ID:** 1905113

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		2420	2750	µg/g	88.0	70	-	130	
Isobutane	ND	<	200		2770	3570	µg/g	77.6	70	-	130	
Butane	ND	<	200		2780	3570	µg/g	77.9	70	-	130	
2,2-dimethylpropane	ND	<	200		3600	4500	µg/g	80.0	70	-	130	
Methanol	ND	<	200		2330	2390	µg/g	97.5	70	-	130	
Ethylene Oxide	ND	<	30		213	277	µg/g	76.9	70	-	130	
2-Methylbutane	ND	<	200		2340	2430	µg/g	96.3	70	-	130	
n-Pentane	ND	<	200		2270	2380	µg/g	95.4	70	-	130	
Ethanol	ND	<	200		2310	2400	µg/g	96.3	70	-	130	
Ethyl Ether	ND	<	200		2230	2430	µg/g	91.8	70	-	130	
2,2-Dimethylbutane	ND	<	30		617	620	µg/g	99.5	70	-	130	
Acetone	ND	<	200		2240	2380	µg/g	94.1	70	-	130	
Isopropyl alcohol	ND	<	200		2370	2380	µg/g	99.6	70	-	130	
Ethyl Formate	ND	<	500		2190	2440	µg/g	89.8	70	-	130	
Acetonitrile	ND	<	100		867	919	µg/g	94.3	70	-	130	
Methyl Acetate	ND	<	500		2080	2450	µg/g	84.9	70	-	130	
2,3-Dimethylbutane	ND	<	30		298	303	µg/g	98.3	70	-	130	
Dichloromethane	ND	<	200		893	948	µg/g	94.2	70	-	130	
2-Methylpentane	ND	<	30		283	293	µg/g	96.6	70	-	130	
MTBE	ND	<	500		2170	2440	µg/g	88.9	70	-	130	
3-Methylpentane	ND	<	30		297	314	µg/g	94.6	70	-	130	
Hexane	ND	<	30		277	297	µg/g	93.3	70	-	130	
1-Propanol	ND	<	500		1990	2350	µg/g	84.7	70	-	130	
Methylethylketone	ND	<	500		2000	2400	µg/g	83.3	70	-	130	
Ethyl acetate	ND	<	200		2170	2370	µg/g	91.6	70	-	130	
2-Butanol	ND	<	200		2250	2410	µg/g	93.4	70	-	130	
Tetrahydrofuran	ND	<	100		879	943	µg/g	93.2	70	-	130	
Cyclohexane	ND	<	200		2220	2370	µg/g	93.7	70	-	130	
2-methyl-1-propanol	ND	<	500		2040	2400	µg/g	85.0	70	-	130	
Benzene	ND	<	1		35.7	38.4	µg/g	93.0	70	-	130	
Isopropyl Acetate	ND	<	200		2170	2420	µg/g	89.7	70	-	130	
Heptane	ND	<	200		2180	2380	µg/g	91.6	70	-	130	
1-Butanol	ND	<	500		2040	2370	µg/g	86.1	70	-	130	
Propyl Acetate	ND	<	500		2040	2470	µg/g	82.6	70	-	130	
1,4-Dioxane	ND	<	100		835	933	µg/g	89.5	70	-	130	
2-Ethoxyethanol	ND	<	30		2160	2370	µg/g	91.1	70	-	130	
Methylisobutylketone	ND	<	500		2050	2460	µg/g	83.3	70	-	130	
3-Methyl-1-butanol	ND	<	500		2090	2400	µg/g	87.1	70	-	130	
Ethylene Glycol	ND	<	200		917	934	µg/g	98.2	70	-	130	
Toluene	ND	<	200		814	937	µg/g	86.9	70	-	130	
Isobutyl Acetate	ND	<	500		1960	2450	µg/g	80.0	70	-	130	
1-Pentanol	ND	<	500		2070	2440	µg/g	84.8	70	-	130	
Butyl Acetate	ND	<	500		2180	2750	µg/g	79.3	70	-	130	
Ethylbenzene	ND	<	200		1680	1920	µg/g	87.5	70	-	130	
m,p-Xylene	ND	<	200		1670	1880	µg/g	88.8	70	-	130	
o-Xylene	ND	<	200		1620	1910	µg/g	84.8	70	-	130	
Cumene	ND	<	30		316	368	µg/g	85.9	70	-	130	
Anisole	ND	<	500		1920	2450	µg/g	78.4	70	-	130	

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: 19-006654
Report Number: 19-006654-000
Report Date: 06/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/11/19 07:30

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

QC - Sample Duplicate **Sample ID: 19-006586-0001**

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	
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 333-007-0390 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: 19-006654
Report Number: 19-006654-000
Report Date: 06/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/11/19 07:30

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

Laboratory Terpene Quality Control Results

EPA 5035 **Batch ID:** 1905118

Method Blank				Laboratory Control Sample					
Analyte	**Result**	**Blank**	**Notes**	**Result**	**LCS Spike**	**Units**	**LCS % Rec**	**Limits**	**Notes**
a-pinene	ND	< 200		465	500	µg/g	92.9	70 - 130	
Camphene	ND	< 200		478	500	µg/g	95.5	70 - 130	
Sabinene	ND	< 200		472	500	µg/g	94.5	70 - 130	
b-Pinene	ND	< 200		472	500	µg/g	94.4	70 - 130	
b-Myrcene	ND	< 200		513	500	µg/g	103	70 - 130	
a-phelllandrene	ND	< 200		506	500	µg/g	101	70 - 130	
d-3-Carene	ND	< 200		485	500	µg/g	97.0	70 - 130	
a-Terpinene	ND	< 200		526	500	µg/g	105	70 - 130	
p-Cymene	ND	< 200		496	500	µg/g	99.2	70 - 130	
D-Limonene	ND	< 200		487	500	µg/g	97.3	70 - 130	
Eucalyptol	ND	< 200		507	500	µg/g	101	70 - 130	
b-cis-Ocimene	ND	< 66.7		151	167	µg/g	90.4	70 - 130	
b-trans-Ocimene	ND	< 133		357	333	µg/g	107	70 - 130	
g-Terpinene	ND	< 200		504	500	µg/g	101	70 - 130	
Sabinene_Hydrate	ND	< 200		442	500	µg/g	88.4	70 - 130	
Terpinolene	ND	< 200		511	500	µg/g	102	70 - 130	
D-Fenchone	ND	< 200		477	500	µg/g	95.3	70 - 130	
Linalool	ND	< 200		468	500	µg/g	93.5	70 - 130	
Fenchol	ND	< 200		519	500	µg/g	104	70 - 130	
Camphor	ND	< 200		543	500	µg/g	109	70 - 130	
Isopulego	ND	< 200		492	500	µg/g	98.3	70 - 130	
Isoborneol	ND	< 200		468	500	µg/g	93.5	70 - 130	
Borneol	ND	< 200		489	500	µg/g	97.7	70 - 130	
DL-Menthol	ND	< 200		480	500	µg/g	96.0	70 - 130	
Terpineol	ND	< 200		360	500	µg/g	72.0	70 - 130	
Nerol	ND	< 200		486	500	µg/g	97.2	70 - 130	
Pulegone	ND	< 200		527	500	µg/g	105	70 - 130	
Gereniol	ND	< 200		505	500	µg/g	101	70 - 130	
Geranyl_Acetate	ND	< 200		496	500	µg/g	99.3	70 - 130	
a-Cedrene	ND	< 200		503	500	µg/g	101	70 - 130	
b-Caryophyllene	ND	< 200		511	500	µg/g	102	70 - 130	
a-Humulene	ND	< 200		489	500	µg/g	97.7	70 - 130	
Valenene	ND	< 200		493	500	µg/g	98.7	70 - 130	
cis-Nerolidol	ND	< 200		526	500	µg/g	105	70 - 130	
a-Farnesene	ND	< 200		631	500	µg/g	126	70 - 130	
trans-Nerolidol	ND	< 200		519	500	µg/g	104	70 - 130	
Caryophyllene_Oxide	ND	< 200		502	500	µg/g	100	70 - 130	
Guaiol	ND	< 200		528	500	µg/g	106	70 - 130	
Cedrol	ND	< 200		509	500	µg/g	102	70 - 130	
a-Bisabolol	ND	< 200		505	500	µg/g	101	70 - 130	

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: 19-006654
Report Number: 19-006654-000
Report Date: 06/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/11/19 07:30

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

Sample/Sample Duplicate **Sample ID: 19-006586-0001**

Analyte	Result	Org. Result			LOQ	Units	RPD, %	Sample Duplicate % Limits		Notes
a-pinene	ND	ND			200	µg/g	0	< 20	80 - 120	
Camphene	ND	ND			200	µg/g	0	< 20	80 - 120	
Sabinene	ND	ND			200	µg/g	0	< 20	80 - 120	
b-Pinene	ND	ND			200	µg/g	0	< 20	80 - 120	
b-Myrcene	ND	ND			200	µg/g	0	< 20	80 - 120	
a-phelllandrene	ND	ND			200	µg/g	0	< 20	80 - 120	
d-3-Carene	ND	ND			200	µg/g	0	< 20	80 - 120	
a-Terpinene	ND	ND			200	µg/g	0	< 20	80 - 120	
p-Cymene	ND	ND			200	µg/g	0	< 20	80 - 120	
D-Limonene	ND	ND			200	µg/g	0	< 20	80 - 120	
Eucalyptol	163.9	153.1			200	µg/g	3.41	< 20	80 - 120	
b-cis-Ocimene	ND	ND			66.7	µg/g	0	< 20	80 - 120	
b-trans-Ocimene	ND	ND			133	µg/g	0	< 20	80 - 120	
g-Terpinene	ND	ND			200	µg/g	0	< 20	80 - 120	
Sabinene_Hydrate	ND	ND			200	µg/g	0	< 20	80 - 120	
Terpinolene	ND	ND			200	µg/g	0	< 20	80 - 120	
D-Fenchone	ND	ND			200	µg/g	0	< 20	80 - 120	
Linalool	663.9	603.4			200	µg/g	4.77	< 20	80 - 120	
Fenchol	ND	ND			200	µg/g	0	< 20	80 - 120	
Camphor	256.9	234.6			200	µg/g	4.54	< 20	80 - 120	
Isopulego	ND	ND			200	µg/g	0	< 20	80 - 120	
Isoborneol	ND	ND			200	µg/g	0	< 20	80 - 120	
Borneol	ND	ND			200	µg/g	0	< 20	80 - 120	
DL-Menthol	ND	ND			200	µg/g	0	< 20	80 - 120	
Terpineol	ND	ND			200	µg/g	0	< 20	80 - 120	
Nerol	ND	ND			200	µg/g	0	< 20	80 - 120	
Pulegone	ND	ND			200	µg/g	0	< 20	80 - 120	
Gereniol	ND	ND			200	µg/g	0	< 20	80 - 120	
Geranyl_Acetate	ND	ND			200	µg/g	0	< 20	80 - 120	
a-Cedrene	ND	ND			200	µg/g	0	< 20	80 - 120	
b-Caryophyllene	ND	ND			200	µg/g	0	< 20	80 - 120	
a-Humulene	ND	ND			200	µg/g	0	< 20	80 - 120	
Valenene	ND	ND			200	µg/g	0	< 20	80 - 120	
cis-Nerolidol	ND	ND			200	µg/g	0	< 20	80 - 120	
a-Farnesene	ND	ND			200	µg/g	0	< 20	80 - 120	
trans-Nerolidol	ND	ND			200	µg/g	0	< 20	80 - 120	
Caryophyllene_Oxide	ND	ND			200	µg/g	0	< 20	80 - 120	
Guaiol	ND	ND			200	µg/g	0	< 20	80 - 120	
Cedrol	ND	ND			200	µg/g	0	< 20	80 - 120	
a-Bisabolol	ND	ND			200	µg/g	0	< 20	80 - 120	

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: 19-006654
Report Number: 19-006654-000
Report Date: 06/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/11/19 07:30

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: 1905210	
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.190	1.000	119.0	70 - 130	
Acequinocyl	ND	< 1.000		3.950	4.000	98.8	70 - 130	
Acetamiprid	ND	< 0.100		0.475	0.400	118.8	70 - 130	
Aldicarb	ND	< 0.200		0.885	0.800	110.6	70 - 130	
Abamectin	ND	< 0.288		1.000	1.000	100.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.397	0.400	99.3	70 - 130	
Bifenazate	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Bifenthrin	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Boscalid	ND	< 0.100		0.812	0.800	101.5	70 - 130	
Carbaryl	ND	< 0.100		0.437	0.400	109.3	70 - 130	
Carbofuran	ND	< 0.100		0.437	0.400	109.3	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.397	0.400	99.3	70 - 130	
Chlorfenapyr	ND	< 1.000		2.070	2.000	103.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Clofentezine	ND	< 0.100		0.443	0.400	110.8	70 - 130	
Cyfluthrin	ND	< 1.000		2.110	2.000	105.5	30 - 150	
Cypermethrin	ND	< 1.000		2.030	2.000	101.5	70 - 130	
Daminozide	ND	< 1.000		0.996	2.000	49.8	30 - 150	
Diazinon	ND	< 0.100		0.431	0.400	107.8	70 - 130	
Dichlorvos	ND	< 0.500		2.220	2.000	111.0	70 - 130	
Dimethoat	ND	< 0.100		0.471	0.400	117.8	70 - 130	
Ethoprophos	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Etofenprox	ND	< 0.100		0.848	0.800	106.0	70 - 130	
Etoxazol	ND	< 0.100		0.347	0.400	86.8	70 - 130	
Fenoxycarb	ND	< 0.100		0.423	0.400	105.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.835	0.800	104.4	70 - 130	
Fipronil	ND	< 0.100		0.825	0.800	103.1	70 - 130	
Flonicamid	ND	< 0.400		1.130	1.000	113.0	70 - 130	
Fludioxonil	ND	< 0.100		0.841	0.800	105.1	70 - 130	
Hexythiazox	ND	< 0.400		1.100	1.000	110.0	70 - 130	
Imazalil	ND	< 0.100		0.458	0.400	114.5	70 - 130	
Imidacloprid	ND	< 0.200		0.938	0.800	117.3	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.854	0.800	106.8	70 - 130	
Malathion	ND	< 0.100		0.422	0.400	105.5	70 - 130	
Metalaxyl	ND	< 0.100		0.424	0.400	106.0	70 - 130	
Methiocarb	ND	< 0.100		0.424	0.400	106.0	70 - 130	
Methomyl	ND	< 0.200		1.030	0.800	128.8	70 - 130	
MGK 264	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Myclobutanil	ND	< 0.100		0.419	0.400	104.8	70 - 130	
Naled	ND	< 0.200		0.931	1.000	93.1	70 - 130	
Oxamyl	ND	< 0.400		2.580	2.000	129.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.812	0.800	101.5	70 - 130	
Parathion Methyl	ND	< 0.200		0.940	0.800	117.5	30 - 150	
Permethrin	ND	< 0.100		0.405	0.400	101.3	70 - 130	
Phosmet	ND	< 0.100		0.429	0.400	107.3	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.090	2.000	104.5	70 - 130	
Prallethrin	ND	< 0.200		0.210	0.200	105.0	70 - 130	
Propiconazole	ND	< 0.200		0.816	0.800	102.0	70 - 130	
Propoxur	ND	< 0.100		0.450	0.400	112.5	70 - 130	
Pyrethrins	ND	< 0.500		0.290	0.284	102.1	70 - 130	
Pyridaben	ND	< 0.100		0.379	0.400	94.8	70 - 130	
Spinosad	ND	< 0.100		0.426	0.388	109.8	70 - 130	
Spiromesifen	ND	< 0.100		0.427	0.400	106.8	70 - 130	
Spirotetramat	ND	< 0.100		0.422	0.400	105.5	70 - 130	
Spiroxamine	ND	< 0.100		0.868	0.800	108.5	70 - 130	
Tebuconazol	ND	< 0.200		0.832	0.800	104.0	70 - 130	
Thiacloprid	ND	< 0.100		0.463	0.400	115.8	70 - 130	
Thiamethoxam	ND	< 0.100		0.521	0.400	***130.3***	70 - 130	Q1
Trifloxystrobin	ND	< 0.100		0.428	0.400	107.0	70 - 130	

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: 19-006654
Report Number: 19-006654-000
Report Date: 06/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/11/19 07:30

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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: 1905210

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-006680-0001

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	1.410	1.350	1.000	4.3	< 30	141.0	135.0	50 - 150	
Acequinocyl	0.000	5.280	4.800	4.000	9.5	< 30	132.0	120.0	50 - 150	
Acetamiprid	0.000	0.550	0.542	0.400	1.5	< 30	137.5	135.5	50 - 150	
Aldicarb	0.000	0.985	1.010	0.800	2.5	< 30	123.1	126.3	50 - 150	
Abamectin	0.000	0.984	1.050	1.000	6.5	< 30	98.4	105.0	50 - 150	
Azoxystrobin	0.000	0.503	0.441	0.400	13.1	< 30	125.8	110.3	50 - 150	
Bifenazate	0.000	0.417	0.423	0.400	1.4	< 30	104.3	105.8	50 - 150	
Bifenthrin	0.000	0.363	0.356	0.400	1.9	< 30	90.8	89.0	50 - 150	
Boscalid	0.000	0.838	0.848	0.800	1.2	< 30	104.8	106.0	50 - 150	
Carbaryl	0.000	0.537	0.522	0.400	2.8	< 30	134.3	130.5	50 - 150	
Carbofuran	0.000	0.530	0.540	0.400	1.9	< 30	132.5	135.0	50 - 150	
Chlorantraniliprol	0.000	0.375	0.380	0.400	1.3	< 30	93.8	95.0	50 - 150	
Chlorfenapyr	0.000	2.280	2.190	2.000	4.0	< 30	114.0	109.5	50 - 150	
Chlorpyrifos	0.004	0.732	0.698	0.400	4.8	< 30	***182.0***	***173.5***	50 - 150	Q1
Clofentezine	0.000	0.417	0.395	0.400	5.4	< 30	104.3	98.8	50 - 150	
Cyfluthrin	0.099	3.250	3.000	2.000	8.0	< 30	***157.6***	145.1	30 - 150	Q1
Cypermethrin	0.000	1.900	1.900	2.000	0.0	< 30	95.0	95.0	50 - 150	
Daminozide	0.000	2.570	2.430	2.000	5.6	< 30	128.5	121.5	30 - 150	
Diazinon	0.000	0.441	0.411	0.400	7.0	< 30	110.3	102.8	50 - 150	
Dichlorvos	0.000	2.460	2.330	2.000	5.4	< 30	123.0	116.5	50 - 150	
Dimethoat	0.000	0.521	0.517	0.400	0.8	< 30	130.3	129.3	50 - 150	
Ethoprophos	0.000	0.433	0.409	0.400	5.7	< 30	108.3	102.3	50 - 150	
Etofenprox	0.000	0.866	0.856	0.800	1.2	< 30	108.3	107.0	50 - 150	
Etoxazol	0.000	0.402	0.395	0.400	1.8	< 30	100.5	98.8	50 - 150	
Fenoxycarb	0.000	0.430	0.421	0.400	2.1	< 30	107.5	105.3	50 - 150	
Fenpyroximat	0.000	0.927	0.948	0.800	2.2	< 30	115.9	118.5	50 - 150	
Fipronil	0.000	0.980	0.949	0.800	3.2	< 30	122.5	118.6	50 - 150	
Flonicamid	0.000	1.140	1.130	1.000	0.9	< 30	114.0	113.0	50 - 150	
Fludioxonil	0.000	0.965	1.140	0.800	16.6	< 30	120.6	142.5	50 - 150	
Hexythiazox	0.000	2.100	1.950	1.000	7.4	< 30	***210.0***	***195.0***	50 - 150	Q1
Imazalil	0.000	0.528	0.535	0.400	1.3	< 30	132.0	133.8	50 - 150	
Imidacloprid	0.000	0.727	0.689	0.800	5.4	< 30	90.9	86.1	50 - 150	
Kresoxim-Methyl	0.000	0.910	0.836	0.800	8.5	< 30	113.8	104.5	50 - 150	
Malathion	0.000	0.492	0.474	0.400	3.7	< 30	123.0	118.5	50 - 150	
Metalaxyl	0.000	0.498	0.495	0.400	0.6	< 30	124.5	123.8	50 - 150	
Methiocarb	0.000	0.442	0.442	0.400	0.0	< 30	110.5	110.5	50 - 150	
Methomyl	0.000	1.070	1.010	0.800	5.8	< 30	133.8	126.3	50 - 150	
MGK 264	0.016	0.479	0.465	0.400	3.0	< 30	115.7	112.2	50 - 150	
Myclobutanil	0.000	0.420	0.434	0.400	3.3	< 30	105.0	108.5	50 - 150	
Naled	0.000	1.170	1.150	1.000	1.7	< 30	117.0	115.0	50 - 150	
Oxamyl	0.000	2.640	2.440	2.000	7.9	< 30	132.0	122.0	50 - 150	
Paclobutrazol	0.000	0.847	0.879	0.800	3.7	< 30	105.9	109.9	50 - 150	
Parathion Methyl	0.000	0.951	1.030	0.800	8.0	< 30	118.9	128.8	30 - 150	
Permethrin	0.012	0.368	0.368	0.400	0.0	< 30	89.1	89.1	50 - 150	
Phosmet	0.000	0.462	0.466	0.400	0.9	< 30	115.5	116.5	50 - 150	
Piperonyl butoxide	0.000	2.180	2.160	2.000	0.9	< 30	109.0	108.0	50 - 150	
Prallethrin	0.000	0.302	0.293	0.200	3.0	< 30	***151.0***	146.5	50 - 150	Q1
Propiconazole	0.000	0.872	0.849	0.800	2.7	< 30	109.0	106.1	50 - 150	
Propoxur	0.000	0.515	0.539	0.400	4.6	< 30	128.8	134.8	50 - 150	
Pyrethrins	0.000	0.201	0.206	0.284	2.5	< 30	70.8	72.5	50 - 150	
Pyridaben	0.008	0.452	0.444	0.400	1.8	< 30	111.0	109.0	50 - 150	
Spinosad	0.000	0.492	0.463	0.388	6.1	< 30	126.8	119.3	50 - 150	
Spiromesifen	0.000	0.978	0.965	0.400	1.3	< 30	***244.5***	***241.3***	50 - 150	Q1
Spirotetramat	0.000	0.329	0.326	0.400	0.9	< 30	82.3	81.5	50 - 150	
Spiroxamine	0.000	0.926	0.946	0.800	2.1	< 30	115.8	118.3	50 - 150	
Tebuconazol	0.000	0.793	0.754	0.800	5.0	< 30	99.1	94.3	50 - 150	
Thiacloprid	0.000	0.503	0.504	0.400	0.2	< 30	125.8	126.0	50 - 150	
Thiamethoxam	0.000	0.502	0.461	0.400	8.5	< 30	125.5	115.3	50 - 150	
Trifloxystrobin	0.000	0.501	0.483	0.400	2.4	< 30	125.3	120.8	50 - 150	

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:	19-006654
Report Number:	19-006654-000
Report Date:	06/17/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/11/19 07:30

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1905257**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.0100		0.01	%	100	85 - 115	Acceptable	
CBDV	0.0102		0.01	%	102	85 - 115	Acceptable	
CBD-A	0.00935		0.01	%	93.5	85 - 115	Acceptable	
CBG-A	0.00947		0.01	%	94.7	85 - 115	Acceptable	
CBG	0.0102		0.01	%	102	85 - 115	Acceptable	
CBD	0.0107		0.01	%	107	85 - 115	Acceptable	
THCV	0.00981		0.01	%	98.1	85 - 115	Acceptable	
THCVA	0.00939		0.01	%	93.9	85 - 115	Acceptable	
CBN	0.0104		0.01	%	104	85 - 115	Acceptable	
THC	0.00985		0.01	%	98.5	85 - 115	Acceptable	
D8THC	0.00971		0.01	%	97.1	85 - 115	Acceptable	
CBL	0.0102		0.01	%	102	85 - 115	Acceptable	
CBC	0.0107		0.01	%	107	85 - 115	Acceptable	
THCA	0.0101		0.01	%	101	85 - 115	Acceptable	
CBCA	0.00974		0.01	%	97.4	85 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	ND		0.0003	%		< 0.0003	Acceptable	
CBDV	ND		0.0003	%		< 0.0003	Acceptable	
CBD-A	ND		0.0003	%		< 0.0003	Acceptable	
CBG-A	ND		0.0003	%		< 0.0003	Acceptable	
CBG	ND		0.0003	%		< 0.0003	Acceptable	
CBD	ND		0.0003	%		< 0.0003	Acceptable	
THCV	ND		0.0003	%		< 0.0003	Acceptable	
THCVA	ND		0.0003	%		< 0.0003	Acceptable	
CBN	ND		0.0003	%		< 0.0003	Acceptable	
THC	ND		0.0003	%		< 0.0003	Acceptable	
D8THC	ND		0.0003	%		< 0.0003	Acceptable	
CBL	ND		0.0003	%		< 0.0003	Acceptable	
CBC	ND		0.0003	%		< 0.0003	Acceptable	
THCA	ND		0.0003	%		< 0.0003	Acceptable	
CBCA	ND		0.0003	%		< 0.0003	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: 19-006654
Report Number: 19-006654-000
Report Date: 06/17/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/11/19 07:30

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J AOAC 2015 V98-6					Batch ID: 1905257			
Sample Duplicate					Sample ID: **19-006622-0001**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	0.0382	0.0374	0.003	%	2.12	< 20	Acceptable	
CBD-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG	0.00395	0.00329	0.003	%	18.2	< 20	Acceptable	
CBD	5.69	5.56	0.003	%	2.31	< 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	0.00483	0.00468	0.003	%	3.15	< 20	Acceptable	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	0.00744	0.00753	0.003	%	1.20	< 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

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

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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