Certificate of Quality Assurance

PRODUCT NAME: Tranquil Mint Tincture
PRODUCT STRENGTH: 500 mg
LOT NUMBER: TM500-T116
OIL BATCH NUMBER: CONO19-68
DATE OF MANUFACTURE: 6/6/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 6/6/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil, Peppermint Oil

beam

Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

Cannabinoid Potency of Raw Hemp Oil

Cannabinoid	Weight %
CBD	83.35
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results*

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

Certificate of Quality Assurance

PRODUCT NAME: Tranquil Mint Tincture
PRODUCT STRENGTH: 500 mg
LOT NUMBER: TM500-T116
OIL BATCH NUMBER: CONO19-68
DATE OF MANUFACTURE: 6/6/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 6/6/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil, Peppermint Oil

Heavy Metals*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

Analysis Results for Finished Product

Attribute	Acceptance Criteria	Result
Appearance	Clear Colorless to Light Yellow Liquid	Conforms
Aroma	Characteristic Mint Flavor	Conforms
Cannabidiol Content	95 to 110% of Label Claim	Conforms
THC Content	None Detected	Conforms

* Results based on testing of multiple batches of hemp oil raw material.

Certified by: 6-24-19

Matthew Plenert, Ph.D — Date
Head Chemist and Quality Manager

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Product identity:	TM500-T116	**Client/Metrc ID:**	.
Laboratory ID:	19-006793-0001	**Sample Date:**	

Summary

Potency:

Analyte per 30ml	Result	Limits	Units	LOQ
CBD per 30ml	552		mg/30ml	27.6

CBD-Total per 30ml	552 mg/30ml
THC-Total per 30ml	< 51.888 mg/30ml

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Customer: Beam Organics

Product identity: TM500-T116
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-006793-0001
Relinquished by: Received By Mail
Temp: 22.9 °C
Serving Size #1: 27.6 g

Sample Results

Potency per 30ml — Batch: 1905386

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBC-A per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBC-Total per 30ml†	< LOQ		mg/30ml	51.9	06/19/19	J AOAC 2015 V98-6	
CBD per 30ml	552		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	552		mg/30ml	51.9	06/19/19	J AOAC 2015 V98-6	
CBDV per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBDV-A per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml†	< LOQ		mg/30ml	51.6	06/19/19	J AOAC 2015 V98-6	
CBG per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBG-A per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBG-Total per 30ml†	< LOQ		mg/30ml	51.9	06/19/19	J AOAC 2015 V98-6	
CBL per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	51.9	06/19/19	J AOAC 2015 V98-6	
THCV per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
THCV-A per 30ml†	< LOQ		mg/30ml	27.6	06/19/19	J AOAC 2015 V98-6	
THCV-Total per 30ml†	< LOQ		mg/30ml	51.6	06/19/19	J AOAC 2015 V98-6	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1905312 **Analyze** 06/19/19 08:13 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	pending	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							

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Lead	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X

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

PIXIS Labs
A Tentamus Company

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Portland, OR 97230
503-254-1794

Job Number:	19-006793
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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

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

mg/27.6g = Milligram per 27.6g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

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

Cannabis Chain of Custody Record

19-006793 ORELAP ID: OR100028

Company: BEAM
Contact: n/a
Address: n/a
Email: n/a
Phone: n/a Fax:
Processor's License:

Analysis Requested

Heavy Metals LOQ .1 ppm

Please bill/send reports to Darcie Moran's account.

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
TM500-T116		x		x					x	x x				Oil		30ml	0.9213
TNAT500-T117		x		x					x	x x				Oil		30ml	0.9211
TM1000-T118		x		x					x	x x				Oil		30ml	0.9233
TM1500-T119		x		x					x	x x				Oil		30ml	0.9239
TNAT1000-T120		x		x					x	x x				Oil		30ml	0.9235
TNAT1500-T121		x		x					x	x x				Oil		30ml	0.9262

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑ Standard (5 day)	David Boaz	6/12	2PM		06/13/19	07:23
☐ Rush (3-4 day) (1.5x Standard)	DBoaz	6/12				
☐ Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 22.9
Shipped Via: Fedex
Evidence of cooling: ☐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: 1.03 Control#: CF023
Effective 03/06/2019 Revised 03/06/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
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Report Date:	06/20/2019
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Received:	06/13/19 07:23

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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: 19-006793 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 6/13/19 Time: 07:23

Received By (Initials): _____

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): 4776 1288 0083

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

none

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) 3.9 °C

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

Explain any discrepancies: _____

Page 2 of 2

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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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: 1905312		
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.150	1.000	115.0	70 - 130	
Acequinocyl	ND	< 1.000		4.040	4.000	101.0	70 - 130	
Acetamiprid	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Aldicarb	ND	< 0.200		0.808	0.800	101.0	70 - 130	
Abamectin	ND	< 0.288		0.926	1.000	92.6	70 - 130	
Azoxystrobin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenazate	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenthrin	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Boscalid	ND	< 0.100		0.801	0.800	100.1	70 - 130	
Carbaryl	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Carbofuran	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.357	0.400	89.3	70 - 130	
Chlorfenapyr	ND	< 1.000		1.730	2.000	86.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Clofentezine	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Cyfluthrin	ND	< 1.000		1.800	2.000	90.0	30 - 150	
Cypermethrin	ND	< 1.000		2.050	2.000	102.5	70 - 130	
Daminozide	ND	< 1.000		2.140	2.000	107.0	30 - 150	
Diazinon	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Dichlorvos	ND	< 0.500		1.920	2.000	96.0	70 - 130	
Dimethoat	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Ethoprophos	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Etofenprox	ND	< 0.100		0.789	0.800	98.6	70 - 130	
Etoxazol	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.387	0.400	96.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.783	0.800	97.9	70 - 130	
Fipronil	ND	< 0.100		0.763	0.800	95.4	70 - 130	
Flonicamid	ND	< 0.400		1.030	1.000	103.0	70 - 130	
Fludioxonil	ND	< 0.100		0.739	0.800	92.4	70 - 130	
Hexythiazox	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Imazalil	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Imidacloprid	ND	< 0.200		0.784	0.800	98.0	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.819	0.800	102.4	70 - 130	
Malathion	ND	< 0.100		0.390	0.400	97.5	70 - 130	
Metalaxyl	ND	< 0.100		0.388	0.400	97.0	70 - 130	
Methiocarb	ND	< 0.100		0.398	0.400	99.5	70 - 130	
Methomyl	ND	< 0.200		0.860	0.800	107.5	70 - 130	
MGK 264	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Myclobutanil	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Naled	ND	< 0.200		0.962	1.000	96.2	70 - 130	
Oxamyl	ND	< 0.400		2.020	2.000	101.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.797	0.800	99.6	70 - 130	
Parathion Methyl	ND	< 0.200		0.758	0.800	94.8	30 - 150	
Permethrin	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Phosmet	ND	< 0.100		0.407	0.400	101.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.910	2.000	95.5	70 - 130	
Prallethrin	ND	< 0.200		0.203	0.200	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.805	0.800	100.6	70 - 130	
Propoxur	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Pyrethrins	ND	< 0.500		0.302	0.284	106.3	70 - 130	
Pyridaben	ND	< 0.100		0.547	0.400	***136.8***	70 - 130	Q1
Spinosad	ND	< 0.100		0.423	0.388	109.0	70 - 130	
Spiromesifen	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Spirotetramat	ND	< 0.100		0.392	0.400	98.0	70 - 130	
Spiroxamine	ND	< 0.100		0.859	0.800	107.4	70 - 130	
Tebuconazol	ND	< 0.200		0.756	0.800	94.5	70 - 130	
Thiacloprid	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Trifloxystrobin	ND	< 0.100		0.389	0.400	97.3	70 - 130	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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: 1905312

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-006793-0002

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.745	0.860	1.000	14.3	< 30	74.5	86.0	50 - 150	
Acequinocyl	0.000	8.480	8.850	4.000	4.3	< 30	***212.0***	***221.3***	50 - 150	Q1
Acetamiprid	0.000	0.374	0.417	0.400	10.9	< 30	93.5	104.3	50 - 150	
Aldicarb	0.000	0.733	0.835	0.800	13.0	< 30	91.6	104.4	50 - 150	
Abamectin	0.000	1.220	1.290	1.000	5.6	< 30	122.0	129.0	50 - 150	
Azoxystrobin	0.012	0.420	0.451	0.400	7.1	< 30	102.0	109.8	50 - 150	
Bifenazate	0.000	0.388	0.404	0.400	4.0	< 30	97.0	101.0	50 - 150	
Bifenthrin	0.000	1.490	1.460	0.400	2.0	< 30	***372.5***	***365.0***	50 - 150	Q1
Boscalid	0.081	0.886	0.897	0.800	1.2	< 30	100.6	102.0	50 - 150	
Carbaryl	0.000	0.395	0.432	0.400	8.9	< 30	98.8	108.0	50 - 150	
Carbofuran	0.000	0.385	0.423	0.400	9.4	< 30	96.3	105.8	50 - 150	
Chlorantraniliprol	0.000	0.356	0.343	0.400	3.7	< 30	89.0	85.8	50 - 150	
Chlorfenapyr	0.000	3.010	3.220	2.000	6.7	< 30	***150.5***	***161.0***	50 - 150	Q1
Chlorpyrifos	0.000	0.519	0.539	0.400	3.8	< 30	129.8	134.8	50 - 150	
Clofentezine	0.000	0.448	0.491	0.400	9.2	< 30	112.0	122.8	50 - 150	
Cyfluthrin	0.000	3.760	3.800	2.000	1.1	< 30	***188.0***	***190.0***	30 - 150	Q1
Cypermethrin	0.000	2.720	2.920	2.000	7.1	< 30	136.0	146.0	50 - 150	
Daminozide	0.000	1.840	2.070	2.000	11.8	< 30	92.0	103.5	30 - 150	
Diazinon	0.000	0.407	0.456	0.400	11.4	< 30	101.8	114.0	50 - 150	
Dichlorvos	0.000	1.880	2.120	2.000	12.0	< 30	94.0	106.0	50 - 150	
Dimethoat	0.000	0.377	0.415	0.400	9.6	< 30	94.3	103.8	50 - 150	
Ethoprophos	0.000	0.407	0.433	0.400	6.2	< 30	101.8	108.3	50 - 150	
Etofenprox	0.026	1.090	1.100	0.800	0.9	< 30	133.0	134.2	50 - 150	
Etoxazol	0.000	0.472	0.502	0.400	6.2	< 30	118.0	125.5	50 - 150	
Fenoxycarb	0.000	0.376	0.401	0.400	6.4	< 30	94.0	100.3	50 - 150	
Fenpyroximat	0.018	0.843	0.903	0.800	6.9	< 30	103.1	110.6	50 - 150	
Fipronil	0.000	0.841	0.877	0.800	4.2	< 30	105.1	109.6	50 - 150	
Flonicamid	0.000	0.860	1.070	1.000	21.8	< 30	86.0	107.0	50 - 150	
Fludioxonil	0.000	0.718	0.828	0.800	14.2	< 30	89.8	103.5	50 - 150	
Hexythiazox	0.000	1.410	1.450	1.000	2.8	< 30	141.0	145.0	50 - 150	
Imazalil	0.000	0.385	0.418	0.400	8.2	< 30	96.3	104.5	50 - 150	
Imidacloprid	0.000	0.731	0.828	0.800	12.4	< 30	91.4	103.5	50 - 150	
Kresoxim-Methyl	0.000	0.911	0.967	0.800	6.0	< 30	113.9	120.9	50 - 150	
Malathion	0.000	0.384	0.429	0.400	11.1	< 30	96.0	107.3	50 - 150	
Metalaxyl	0.000	0.405	0.415	0.400	2.4	< 30	101.3	103.8	50 - 150	
Methiocarb	0.008	0.412	0.445	0.400	7.7	< 30	101.0	109.3	50 - 150	
Methomyl	0.000	0.578	0.862	0.800	***39.4***	< 30	72.3	107.8	50 - 150	R
MGK 264	0.000	0.426	0.487	0.400	13.4	< 30	106.5	121.8	50 - 150	
Myclobutanil	0.000	0.404	0.416	0.400	2.9	< 30	101.0	104.0	50 - 150	
Naled	0.000	1.020	1.080	1.000	5.7	< 30	102.0	108.0	50 - 150	
Oxamyl	0.000	1.770	2.060	2.000	15.1	< 30	88.5	103.0	50 - 150	
Paclobutrazol	0.000	0.861	0.909	0.800	5.4	< 30	107.6	113.6	50 - 150	
Parathion Methyl	0.000	0.660	0.867	0.800	27.1	< 30	82.5	108.4	30 - 150	
Permethrin	0.000	0.486	0.528	0.400	8.3	< 30	121.5	132.0	50 - 150	
Phosmet	0.000	0.388	0.394	0.400	1.5	< 30	97.0	98.5	50 - 150	
Piperonyl butoxide	0.031	2.670	2.890	2.000	7.9	< 30	132.0	143.0	50 - 150	
Prallethrin	0.007	0.201	0.219	0.200	8.6	< 30	97.1	106.1	50 - 150	
Propiconazole	0.000	0.839	0.876	0.800	4.3	< 30	104.9	109.5	50 - 150	
Propoxur	0.009	0.381	0.414	0.400	8.3	< 30	92.9	101.2	50 - 150	
Pyrethrins	0.001	0.393	0.411	0.284	4.5	< 30	137.9	144.3	50 - 150	
Pyridaben	0.000	0.699	0.727	0.400	3.9	< 30	***174.8***	***181.8***	50 - 150	Q1
Spinosad	0.000	0.427	0.454	0.388	6.1	< 30	110.1	117.0	50 - 150	
Spiromesifen	0.000	0.500	0.520	0.400	3.9	< 30	125.0	130.0	50 - 150	
Spirotetramat	0.000	0.343	0.359	0.400	4.6	< 30	85.8	89.8	50 - 150	
Spiroxamine	0.000	0.795	0.860	0.800	7.9	< 30	99.4	107.5	50 - 150	
Tebuconazol	0.034	0.768	0.842	0.800	9.2	< 30	91.8	101.0	50 - 150	
Thiacloprid	0.000	0.392	0.426	0.400	8.3	< 30	98.0	106.5	50 - 150	
Thiamethoxam	0.000	0.365	0.422	0.400	14.5	< 30	91.3	105.5	50 - 150	
Trifloxystrobin	0.023	0.461	0.512	0.400	7.5	< 30	109.6	122.4	50 - 150	

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1905386**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBDV	0.206		0.2	%	103	85 - 115	Acceptable	
CBD-A	0.199		0.2	%	99.5	85 - 115	Acceptable	
CBG-A	0.192		0.2	%	96.0	85 - 115	Acceptable	
CBG	0.207		0.2	%	104	85 - 115	Acceptable	
CBD	0.212		0.2	%	106	85 - 115	Acceptable	
THCV	0.196		0.2	%	98.0	85 - 115	Acceptable	
THCVA	0.191		0.2	%	95.5	85 - 115	Acceptable	
CBN	0.199		0.2	%	99.5	85 - 115	Acceptable	
THC	0.193		0.2	%	96.5	85 - 115	Acceptable	
D8THC	0.190		0.2	%	95.0	85 - 115	Acceptable	
CBL	0.188		0.2	%	94.0	85 - 115	Acceptable	
CBC	0.204		0.2	%	102	85 - 115	Acceptable	
THCA	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBCA	0.186		0.2	%	93.0	85 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	ND		0.1	%		< 0.1	Acceptable	
CBDV	ND		0.1	%		< 0.1	Acceptable	
CBD-A	ND		0.1	%		< 0.1	Acceptable	
CBG-A	ND		0.1	%		< 0.1	Acceptable	
CBG	ND		0.1	%		< 0.1	Acceptable	
CBD	ND		0.1	%		< 0.1	Acceptable	
THCV	ND		0.1	%		< 0.1	Acceptable	
THCVA	ND		0.1	%		< 0.1	Acceptable	
CBN	ND		0.1	%		< 0.1	Acceptable	
THC	ND		0.1	%		< 0.1	Acceptable	
D8THC	ND		0.1	%		< 0.1	Acceptable	
CBL	ND		0.1	%		< 0.1	Acceptable	
CBC	ND		0.1	%		< 0.1	Acceptable	
THCA	ND		0.1	%		< 0.1	Acceptable	
CBCA	ND		0.1	%		< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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

J AOAC 2015 V98-6					Batch ID: 1905386			
Sample Duplicate					Sample ID: **19-006785-0005**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDV-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBDV	0.583	0.59	0.1	%	1.19	< 20	Acceptable	
CBD-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG	0.769	0.777	0.1	%	1.03	< 20	Acceptable	
CBD	36.2	36.8	0.1	%	1.64	< 20	Acceptable	
THCV	ND	ND	0.1	%	0	< 20	Acceptable	
THCVA	ND	ND	0.1	%	0	< 20	Acceptable	
CBN	ND	0.0961	0.1	%	3.98	< 20	Acceptable	
THC	1.43	1.45	0.1	%	1.39	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	0.204	0.194	0.1	%	5.03	< 20	Acceptable	
CBC	ND	ND	0.1	%	0	< 20	Acceptable	
THCA	ND	ND	0.1	%	0	< 20	Acceptable	
CBCA	ND	ND	0.1	%	0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
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Report Date:	06/20/2019
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Received:	06/13/19 07:23

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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.

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

Certificate of Quality Assurance

PRODUCT NAME: Tranquil Mint Tincture
PRODUCT STRENGTH: 1000 mg
LOT NUMBER: TM1000-T173
OIL BATCH NUMBER: CONO19-75
DATE OF MANUFACTURE: 7/10/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 7/10/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil, Peppermint Oil

beam

Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

Cannabinoid Potency of Raw Hemp Oil

Cannabinoid	Weight %
CBD	84.99
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results*

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

Certificate of Quality Assurance

PRODUCT NAME: Tranquil Mint Tincture
PRODUCT STRENGTH: 1000 mg
LOT NUMBER: TM1000-T173
OIL BATCH NUMBER: CONO19-75
DATE OF MANUFACTURE: 7/10/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 7/10/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil, Peppermint Oil

Heavy Metals*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

Analysis Results for Finished Product

Attribute	Acceptance Criteria	Result
Appearance	Clear Colorless to Light Yellow Liquid	Conforms
Aroma	Characteristic Mint Flavor	Conforms
Cannabidiol Content	95 to 110% of Label Claim	Conforms
THC Content	None Detected	Conforms

* Results based on testing of multiple batches of hemp oil raw material.

Quality Certified by: 7-24-19

Matthew Plenert, Ph.D — Date
Head Chemist and Laboratory Manager

QC Unit released by: 7-24-19

David Boaz — Date
QC Manager

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Product identity:	TM1000-T118	**Client/Metrc ID:**	.
Laboratory ID:	19-006793-0003	**Sample Date:**	

Summary

Potency:

Analyte per 30ml	Result	Limits	Units	LOQ
CBD per 30ml	1100		mg/30ml	27.7

CBD-Total per 30ml	1100 mg/30ml
THC-Total per 30ml	< 52.076 mg/30ml

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Customer: Beam Organics

Product identity: TM1000-T118
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-006793-0003
Relinquished by: Received By Mail
Temp: 22.9 °C
Serving Size #1: 27.7 g

Sample Results

Potency per 30ml — Batch: 1905386

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBC-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBC-Total per 30ml†	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBD per 30ml	1100		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	1100		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBDV per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBDV-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml†	< LOQ		mg/30ml	51.8	06/18/19	J AOAC 2015 V98-6	
CBG per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBG-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBG-Total per 30ml†	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBL per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
THCV per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THCV-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THCV-Total per 30ml†	< LOQ		mg/30ml	51.8	06/18/19	J AOAC 2015 V98-6	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1905312 **Analyze** 06/15/19 12:57 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							

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Lead	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.100	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

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

mg/27.7g = Milligram per 27.7g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

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

Cannabis Chain of Custody Record

19-006793 ORELAP ID: OR100028

Company: BEAM
Contact: n/a
Address: n/a
Email: n/a
Phone: n/a Fax:
Processor's License:

Analysis Requested

Heavy Metals LOQ .1 ppm

Please bill/send reports to Darcie Moran's account.

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
TM500-T116		x		x					x	x x				Oil		30ml	0.9213
TNAT500-T117		x		x					x	x x				Oil		30ml	0.9211
TM1000-T118		x		x					x	x x				Oil		30ml	0.9233
TM1500-T119		x		x					x	x x				Oil		30ml	0.9239
TNAT1000-T120		x		x					x	x x				Oil		30ml	0.9235
TNAT1500-T121		x		x					x	x x				Oil		30ml	0.9262

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑ Standard (5 day)	David Boaz	6/12	2PM		06/13/19	07:23
☐ Rush (3-4 day) (1.5x Standard)	DBoaz	6/12				
☐ Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 22.9
Shipped Via: Fedex
Evidence of cooling: ☐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: 1.03 Control#: CF023
Effective 03/06/2019 Revised 03/06/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2

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A Tentamus Company

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Portland, OR 97230
503-254-1794

Job Number:	19-006793
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Report Date:	06/20/2019
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Received:	06/13/19 07:23

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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: 19-006793 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 6/13/19 Time: 07:23

Received By (Initials): _____

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): 4776 1288 0083

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 none

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) 3.9 °C

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

Explain any discrepancies: _____

Page 2 of 2

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PIXIS Labs
A Tentamus Company

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503-254-1794

Job Number: 19-006793
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Report Date: 06/20/2019
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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: 1905312		
Method Blank				**Laboratory Control Sample**				
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**	**Notes**
Acephate	ND	< 0.200		1.150	1.000	115.0	70 - 130	
Acequinocyl	ND	< 1.000		4.040	4.000	101.0	70 - 130	
Acetamiprid	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Aldicarb	ND	< 0.200		0.808	0.800	101.0	70 - 130	
Abamectin	ND	< 0.288		0.926	1.000	92.6	70 - 130	
Azoxystrobin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenazate	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenthrin	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Boscalid	ND	< 0.100		0.801	0.800	100.1	70 - 130	
Carbaryl	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Carbofuran	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.357	0.400	89.3	70 - 130	
Chlorfenapyr	ND	< 1.000		1.730	2.000	86.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Clofentezine	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Cyfluthrin	ND	< 1.000		1.800	2.000	90.0	30 - 150	
Cypermethrin	ND	< 1.000		2.050	2.000	102.5	70 - 130	
Daminozide	ND	< 1.000		2.140	2.000	107.0	30 - 150	
Diazinon	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Dichlorvos	ND	< 0.500		1.920	2.000	96.0	70 - 130	
Dimethoat	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Ethoprophos	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Etofenprox	ND	< 0.100		0.789	0.800	98.6	70 - 130	
Etoxazol	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.387	0.400	96.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.783	0.800	97.9	70 - 130	
Fipronil	ND	< 0.100		0.763	0.800	95.4	70 - 130	
Flonicamid	ND	< 0.400		1.030	1.000	103.0	70 - 130	
Fludioxonil	ND	< 0.100		0.739	0.800	92.4	70 - 130	
Hexythiazox	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Imazalil	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Imidacloprid	ND	< 0.200		0.784	0.800	98.0	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.819	0.800	102.4	70 - 130	
Malathion	ND	< 0.100		0.390	0.400	97.5	70 - 130	
Metalaxyl	ND	< 0.100		0.388	0.400	97.0	70 - 130	
Methiocarb	ND	< 0.100		0.398	0.400	99.5	70 - 130	
Methomyl	ND	< 0.200		0.860	0.800	107.5	70 - 130	
MGK 264	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Myclobutanil	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Naled	ND	< 0.200		0.962	1.000	96.2	70 - 130	
Oxamyl	ND	< 0.400		2.020	2.000	101.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.797	0.800	99.6	70 - 130	
Parathion Methyl	ND	< 0.200		0.758	0.800	94.8	30 - 150	
Permethrin	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Phosmet	ND	< 0.100		0.407	0.400	101.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.910	2.000	95.5	70 - 130	
Prallethrin	ND	< 0.200		0.203	0.200	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.805	0.800	100.6	70 - 130	
Propoxur	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Pyrethrins	ND	< 0.500		0.302	0.284	106.3	70 - 130	
Pyridaben	ND	< 0.100		0.547	0.400	***136.8***	70 - 130	Q1
Spinosad	ND	< 0.100		0.423	0.388	109.0	70 - 130	
Spiromesifen	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Spirotetramat	ND	< 0.100		0.392	0.400	98.0	70 - 130	
Spiroxamine	ND	< 0.100		0.859	0.800	107.4	70 - 130	
Tebuconazol	ND	< 0.200		0.756	0.800	94.5	70 - 130	
Thiacloprid	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Trifloxystrobin	ND	< 0.100		0.389	0.400	97.3	70 - 130	

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PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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: 1905312

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-006793-0002

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.745	0.860	1.000	14.3	< 30	74.5	86.0	50 - 150	
Acequinocyl	0.000	8.480	8.850	4.000	4.3	< 30	***212.0***	***221.3***	50 - 150	Q1
Acetamiprid	0.000	0.374	0.417	0.400	10.9	< 30	93.5	104.3	50 - 150	
Aldicarb	0.000	0.733	0.835	0.800	13.0	< 30	91.6	104.4	50 - 150	
Abamectin	0.000	1.220	1.290	1.000	5.6	< 30	122.0	129.0	50 - 150	
Azoxystrobin	0.012	0.420	0.451	0.400	7.1	< 30	102.0	109.8	50 - 150	
Bifenazate	0.000	0.388	0.404	0.400	4.0	< 30	97.0	101.0	50 - 150	
Bifenthrin	0.000	1.490	1.460	0.400	2.0	< 30	***372.5***	***365.0***	50 - 150	Q1
Boscalid	0.081	0.886	0.897	0.800	1.2	< 30	100.6	102.0	50 - 150	
Carbaryl	0.000	0.395	0.432	0.400	8.9	< 30	98.8	108.0	50 - 150	
Carbofuran	0.000	0.385	0.423	0.400	9.4	< 30	96.3	105.8	50 - 150	
Chlorantraniliprol	0.000	0.356	0.343	0.400	3.7	< 30	89.0	85.8	50 - 150	
Chlorfenapyr	0.000	3.010	3.220	2.000	6.7	< 30	***150.5***	***161.0***	50 - 150	Q1
Chlorpyrifos	0.000	0.519	0.539	0.400	3.8	< 30	129.8	134.8	50 - 150	
Clofentezine	0.000	0.448	0.491	0.400	9.2	< 30	112.0	122.8	50 - 150	
Cyfluthrin	0.000	3.760	3.800	2.000	1.1	< 30	***188.0***	***190.0***	30 - 150	Q1
Cypermethrin	0.000	2.720	2.920	2.000	7.1	< 30	136.0	146.0	50 - 150	
Daminozide	0.000	1.840	2.070	2.000	11.8	< 30	92.0	103.5	30 - 150	
Diazinon	0.000	0.407	0.456	0.400	11.4	< 30	101.8	114.0	50 - 150	
Dichlorvos	0.000	1.880	2.120	2.000	12.0	< 30	94.0	106.0	50 - 150	
Dimethoat	0.000	0.377	0.415	0.400	9.6	< 30	94.3	103.8	50 - 150	
Ethoprophos	0.000	0.407	0.433	0.400	6.2	< 30	101.8	108.3	50 - 150	
Etofenprox	0.026	1.090	1.100	0.800	0.9	< 30	133.0	134.2	50 - 150	
Etoxazol	0.000	0.472	0.502	0.400	6.2	< 30	118.0	125.5	50 - 150	
Fenoxycarb	0.000	0.376	0.401	0.400	6.4	< 30	94.0	100.3	50 - 150	
Fenpyroximat	0.018	0.843	0.903	0.800	6.9	< 30	103.1	110.6	50 - 150	
Fipronil	0.000	0.841	0.877	0.800	4.2	< 30	105.1	109.6	50 - 150	
Flonicamid	0.000	0.860	1.070	1.000	21.8	< 30	86.0	107.0	50 - 150	
Fludioxonil	0.000	0.718	0.828	0.800	14.2	< 30	89.8	103.5	50 - 150	
Hexythiazox	0.000	1.410	1.450	1.000	2.8	< 30	141.0	145.0	50 - 150	
Imazalil	0.000	0.385	0.418	0.400	8.2	< 30	96.3	104.5	50 - 150	
Imidacloprid	0.000	0.731	0.828	0.800	12.4	< 30	91.4	103.5	50 - 150	
Kresoxim-Methyl	0.000	0.911	0.967	0.800	6.0	< 30	113.9	120.9	50 - 150	
Malathion	0.000	0.384	0.429	0.400	11.1	< 30	96.0	107.3	50 - 150	
Metalaxyl	0.000	0.405	0.415	0.400	2.4	< 30	101.3	103.8	50 - 150	
Methiocarb	0.008	0.412	0.445	0.400	7.7	< 30	101.0	109.3	50 - 150	
Methomyl	0.000	0.578	0.862	0.800	***39.4***	< 30	72.3	107.8	50 - 150	R
MGK 264	0.000	0.426	0.487	0.400	13.4	< 30	106.5	121.8	50 - 150	
Myclobutanil	0.000	0.404	0.416	0.400	2.9	< 30	101.0	104.0	50 - 150	
Naled	0.000	1.020	1.080	1.000	5.7	< 30	102.0	108.0	50 - 150	
Oxamyl	0.000	1.770	2.060	2.000	15.1	< 30	88.5	103.0	50 - 150	
Paclobutrazol	0.000	0.861	0.909	0.800	5.4	< 30	107.6	113.6	50 - 150	
Parathion Methyl	0.000	0.660	0.867	0.800	27.1	< 30	82.5	108.4	30 - 150	
Permethrin	0.000	0.486	0.528	0.400	8.3	< 30	121.5	132.0	50 - 150	
Phosmet	0.000	0.388	0.394	0.400	1.5	< 30	97.0	98.5	50 - 150	
Piperonyl butoxide	0.031	2.670	2.890	2.000	7.9	< 30	132.0	143.0	50 - 150	
Prallethrin	0.007	0.201	0.219	0.200	8.6	< 30	97.1	106.1	50 - 150	
Propiconazole	0.000	0.839	0.876	0.800	4.3	< 30	104.9	109.5	50 - 150	
Propoxur	0.009	0.381	0.414	0.400	8.3	< 30	92.9	101.2	50 - 150	
Pyrethrins	0.001	0.393	0.411	0.284	4.5	< 30	137.9	144.3	50 - 150	
Pyridaben	0.000	0.699	0.727	0.400	3.9	< 30	***174.8***	***181.8***	50 - 150	Q1
Spinosad	0.000	0.427	0.454	0.388	6.1	< 30	110.1	117.0	50 - 150	
Spiromesifen	0.000	0.500	0.520	0.400	3.9	< 30	125.0	130.0	50 - 150	
Spirotetramat	0.000	0.343	0.359	0.400	4.6	< 30	85.8	89.8	50 - 150	
Spiroxamine	0.000	0.795	0.860	0.800	7.9	< 30	99.4	107.5	50 - 150	
Tebuconazol	0.034	0.768	0.842	0.800	9.2	< 30	91.8	101.0	50 - 150	
Thiacloprid	0.000	0.392	0.426	0.400	8.3	< 30	98.0	106.5	50 - 150	
Thiamethoxam	0.000	0.365	0.422	0.400	14.5	< 30	91.3	105.5	50 - 150	
Trifloxystrobin	0.023	0.461	0.512	0.400	7.5	< 30	109.6	122.4	50 - 150	

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1905386**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBDV	0.206		0.2	%	103	85 - 115	Acceptable	
CBD-A	0.199		0.2	%	99.5	85 - 115	Acceptable	
CBG-A	0.192		0.2	%	96.0	85 - 115	Acceptable	
CBG	0.207		0.2	%	104	85 - 115	Acceptable	
CBD	0.212		0.2	%	106	85 - 115	Acceptable	
THCV	0.196		0.2	%	98.0	85 - 115	Acceptable	
THCVA	0.191		0.2	%	95.5	85 - 115	Acceptable	
CBN	0.199		0.2	%	99.5	85 - 115	Acceptable	
THC	0.193		0.2	%	96.5	85 - 115	Acceptable	
D8THC	0.190		0.2	%	95.0	85 - 115	Acceptable	
CBL	0.188		0.2	%	94.0	85 - 115	Acceptable	
CBC	0.204		0.2	%	102	85 - 115	Acceptable	
THCA	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBCA	0.186		0.2	%	93.0	85 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	ND		0.1	%		< 0.1	Acceptable	
CBDV	ND		0.1	%		< 0.1	Acceptable	
CBD-A	ND		0.1	%		< 0.1	Acceptable	
CBG-A	ND		0.1	%		< 0.1	Acceptable	
CBG	ND		0.1	%		< 0.1	Acceptable	
CBD	ND		0.1	%		< 0.1	Acceptable	
THCV	ND		0.1	%		< 0.1	Acceptable	
THCVA	ND		0.1	%		< 0.1	Acceptable	
CBN	ND		0.1	%		< 0.1	Acceptable	
THC	ND		0.1	%		< 0.1	Acceptable	
D8THC	ND		0.1	%		< 0.1	Acceptable	
CBL	ND		0.1	%		< 0.1	Acceptable	
CBC	ND		0.1	%		< 0.1	Acceptable	
THCA	ND		0.1	%		< 0.1	Acceptable	
CBCA	ND		0.1	%		< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

J AOAC 2015 V98-6					Batch ID: 1905386			
Sample Duplicate					Sample ID: **19-006785-0005**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDV-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBDV	0.583	0.59	0.1	%	1.19	< 20	Acceptable	
CBD-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG	0.769	0.777	0.1	%	1.03	< 20	Acceptable	
CBD	36.2	36.8	0.1	%	1.64	< 20	Acceptable	
THCV	ND	ND	0.1	%	0	< 20	Acceptable	
THCVA	ND	ND	0.1	%	0	< 20	Acceptable	
CBN	ND	0.0961	0.1	%	3.98	< 20	Acceptable	
THC	1.43	1.45	0.1	%	1.39	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	0.204	0.194	0.1	%	5.03	< 20	Acceptable	
CBC	ND	ND	0.1	%	0	< 20	Acceptable	
THCA	ND	ND	0.1	%	0	< 20	Acceptable	
CBCA	ND	ND	0.1	%	0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
A Tentamus Company

12423 NE Whitaker Way
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Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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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.

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

Certificate of Quality Assurance

PRODUCT NAME: Tranquil Mint Tincture
PRODUCT STRENGTH: 1500 mg
LOT NUMBER: TM1500-T177
OIL BATCH NUMBER: CONO19-75
DATE OF MANUFACTURE: 7/10/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 7/10/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil, Peppermint Oil

beam

Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

Cannabinoid Potency of Raw Hemp Oil

Cannabinoid	Weight %
CBD	84.99
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results*

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

Certificate of Quality Assurance

PRODUCT NAME: Tranquil Mint Tincture
PRODUCT STRENGTH: 1500 mg
LOT NUMBER: TM1500-T177
OIL BATCH NUMBER: CONO19-75
DATE OF MANUFACTURE: 7/10/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 7/10/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil, Peppermint Oil

Heavy Metals*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

Analysis Results for Finished Product

Attribute	Acceptance Criteria	Result
Appearance	Clear Colorless to Light Yellow Liquid	Conforms
Aroma	Characteristic Mint Flavor	Conforms
Cannabidiol Content	95 to 110% of Label Claim	Conforms
THC Content	None Detected	Conforms

* Results based on testing of multiple batches of hemp oil raw material.

Quality Certified by: _____ 7-24-19

Matthew Plenert, Ph.D — Date
Head Chemist and Laboratory Manager

QC Unit released by: _____ 7-24-19

David Boaz — Date
QC Manager

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Product identity:	TM1500-T119	**Client/Metrc ID:**	.
Laboratory ID:	19-006793-0004	**Sample Date:**	

Summary

Potency:

Analyte per 30ml	Result	Limits	Units	LOQ
CBD per 30ml	1670		mg/30ml	27.7

CBD-Total per 30ml	1670 mg/30ml
THC-Total per 30ml	< 52.076 mg/30ml

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Customer: Beam Organics

Product identity: TM1500-T119
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-006793-0004
Relinquished by: Received By Mail
Temp: 22.9 °C
Serving Size #1: 27.7 g

Sample Results

Potency per 30ml — Batch: 1905386

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBC-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBC-Total per 30ml†	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBD per 30ml	1670		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	1670		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBDV per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBDV-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml†	< LOQ		mg/30ml	51.8	06/18/19	J AOAC 2015 V98-6	
CBG per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBG-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBG-Total per 30ml†	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBL per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
THCV per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THCV-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THCV-Total per 30ml†	< LOQ		mg/30ml	51.8	06/18/19	J AOAC 2015 V98-6	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
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Report Date: 06/20/2019
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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1905312 **Analyze** 06/15/19 12:57 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							

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Lead	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.100	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

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

mg/27.7g = Milligram per 27.7g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

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

Cannabis Chain of Custody Record

19-006793 ORELAP ID: OR100028

Company: BEAM
Contact: n/a
Address: n/a
Email: n/a
Phone: n/a Fax:
Processor's License:

Analysis Requested

Heavy Metals LOQ .1 ppm

Please bill/send reports to Darcie Moran's account.

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
TM500-T116		x		x					x	x x				Oil		30ml	0.9213
TNAT500-T117		x		x					x	x x				Oil		30ml	0.9211
TM1000-T118		x		x					x	x x				Oil		30ml	0.9233
TM1500-T119		x		x					x	x x				Oil		30ml	0.9239
TNAT1000-T120		x		x					x	x x				Oil		30ml	0.9235
TNAT1500-T121		x		x					x	x x				Oil		30ml	0.9262

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑ Standard (5 day)	David Boaz	6/12	2PM		06/13/19	07:23
☐ Rush (3-4 day) (1.5x Standard)	D Boaz	6/12				
☐ Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 22.9
Shipped Via: Fedex
Evidence of cooling: ☐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: 1.03 Control#: CF023
Effective 03/06/2019 Revised 03/06/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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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: 19-006793 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 6/13/19 Time: 07:23

Received By (Initials): _____

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): 4776 1288 0083

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

none

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) 3.9 °C

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

Explain any discrepancies: _____

Page 2 of 2

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PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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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: 1905312		
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.150	1.000	115.0	70 - 130	
Acequinocyl	ND	< 1.000		4.040	4.000	101.0	70 - 130	
Acetamiprid	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Aldicarb	ND	< 0.200		0.808	0.800	101.0	70 - 130	
Abamectin	ND	< 0.288		0.926	1.000	92.6	70 - 130	
Azoxystrobin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenazate	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenthrin	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Boscalid	ND	< 0.100		0.801	0.800	100.1	70 - 130	
Carbaryl	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Carbofuran	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.357	0.400	89.3	70 - 130	
Chlorfenapyr	ND	< 1.000		1.730	2.000	86.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Clofentezine	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Cyfluthrin	ND	< 1.000		1.800	2.000	90.0	30 - 150	
Cypermethrin	ND	< 1.000		2.050	2.000	102.5	70 - 130	
Daminozide	ND	< 1.000		2.140	2.000	107.0	30 - 150	
Diazinon	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Dichlorvos	ND	< 0.500		1.920	2.000	96.0	70 - 130	
Dimethoat	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Ethoprophos	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Etofenprox	ND	< 0.100		0.789	0.800	98.6	70 - 130	
Etoxazol	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.387	0.400	96.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.783	0.800	97.9	70 - 130	
Fipronil	ND	< 0.100		0.763	0.800	95.4	70 - 130	
Flonicamid	ND	< 0.400		1.030	1.000	103.0	70 - 130	
Fludioxonil	ND	< 0.100		0.739	0.800	92.4	70 - 130	
Hexythiazox	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Imazalil	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Imidacloprid	ND	< 0.200		0.784	0.800	98.0	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.819	0.800	102.4	70 - 130	
Malathion	ND	< 0.100		0.390	0.400	97.5	70 - 130	
Metalaxyl	ND	< 0.100		0.388	0.400	97.0	70 - 130	
Methiocarb	ND	< 0.100		0.398	0.400	99.5	70 - 130	
Methomyl	ND	< 0.200		0.860	0.800	107.5	70 - 130	
MGK 264	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Myclobutanil	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Naled	ND	< 0.200		0.962	1.000	96.2	70 - 130	
Oxamyl	ND	< 0.400		2.020	2.000	101.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.797	0.800	99.6	70 - 130	
Parathion Methyl	ND	< 0.200		0.758	0.800	94.8	30 - 150	
Permethrin	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Phosmet	ND	< 0.100		0.407	0.400	101.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.910	2.000	95.5	70 - 130	
Prallethrin	ND	< 0.200		0.203	0.200	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.805	0.800	100.6	70 - 130	
Propoxur	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Pyrethrins	ND	< 0.500		0.302	0.284	106.3	70 - 130	
Pyridaben	ND	< 0.100		0.547	0.400	***136.8***	70 - 130	Q1
Spinosad	ND	< 0.100		0.423	0.388	109.0	70 - 130	
Spiromesifen	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Spirotetramat	ND	< 0.100		0.392	0.400	98.0	70 - 130	
Spiroxamine	ND	< 0.100		0.859	0.800	107.4	70 - 130	
Tebuconazol	ND	< 0.200		0.756	0.800	94.5	70 - 130	
Thiacloprid	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Trifloxystrobin	ND	< 0.100		0.389	0.400	97.3	70 - 130	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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: 1905312

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-006793-0002

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.745	0.860	1.000	14.3	< 30	74.5	86.0	50 - 150	
Acequinocyl	0.000	8.480	8.850	4.000	4.3	< 30	***212.0***	***221.3***	50 - 150	Q1
Acetamiprid	0.000	0.374	0.417	0.400	10.9	< 30	93.5	104.3	50 - 150	
Aldicarb	0.000	0.733	0.835	0.800	13.0	< 30	91.6	104.4	50 - 150	
Abamectin	0.000	1.220	1.290	1.000	5.6	< 30	122.0	129.0	50 - 150	
Azoxystrobin	0.012	0.420	0.451	0.400	7.1	< 30	102.0	109.8	50 - 150	
Bifenazate	0.000	0.388	0.404	0.400	4.0	< 30	97.0	101.0	50 - 150	
Bifenthrin	0.000	1.490	1.460	0.400	2.0	< 30	***372.5***	***365.0***	50 - 150	Q1
Boscalid	0.081	0.886	0.897	0.800	1.2	< 30	100.6	102.0	50 - 150	
Carbaryl	0.000	0.395	0.432	0.400	8.9	< 30	98.8	108.0	50 - 150	
Carbofuran	0.000	0.385	0.423	0.400	9.4	< 30	96.3	105.8	50 - 150	
Chlorantraniliprol	0.000	0.356	0.343	0.400	3.7	< 30	89.0	85.8	50 - 150	
Chlorfenapyr	0.000	3.010	3.220	2.000	6.7	< 30	***150.5***	***161.0***	50 - 150	Q1
Chlorpyrifos	0.000	0.519	0.539	0.400	3.8	< 30	129.8	134.8	50 - 150	
Clofentezine	0.000	0.448	0.491	0.400	9.2	< 30	112.0	122.8	50 - 150	
Cyfluthrin	0.000	3.760	3.800	2.000	1.1	< 30	***188.0***	***190.0***	30 - 150	Q1
Cypermethrin	0.000	2.720	2.920	2.000	7.1	< 30	136.0	146.0	50 - 150	
Daminozide	0.000	1.840	2.070	2.000	11.8	< 30	92.0	103.5	30 - 150	
Diazinon	0.000	0.407	0.456	0.400	11.4	< 30	101.8	114.0	50 - 150	
Dichlorvos	0.000	1.880	2.120	2.000	12.0	< 30	94.0	106.0	50 - 150	
Dimethoat	0.000	0.377	0.415	0.400	9.6	< 30	94.3	103.8	50 - 150	
Ethoprophos	0.000	0.407	0.433	0.400	6.2	< 30	101.8	108.3	50 - 150	
Etofenprox	0.026	1.090	1.100	0.800	0.9	< 30	133.0	134.2	50 - 150	
Etoxazol	0.000	0.472	0.502	0.400	6.2	< 30	118.0	125.5	50 - 150	
Fenoxycarb	0.000	0.376	0.401	0.400	6.4	< 30	94.0	100.3	50 - 150	
Fenpyroximat	0.018	0.843	0.903	0.800	6.9	< 30	103.1	110.6	50 - 150	
Fipronil	0.000	0.841	0.877	0.800	4.2	< 30	105.1	109.6	50 - 150	
Flonicamid	0.000	0.860	1.070	1.000	21.8	< 30	86.0	107.0	50 - 150	
Fludioxonil	0.000	0.718	0.828	0.800	14.2	< 30	89.8	103.5	50 - 150	
Hexythiazox	0.000	1.410	1.450	1.000	2.8	< 30	141.0	145.0	50 - 150	
Imazalil	0.000	0.385	0.418	0.400	8.2	< 30	96.3	104.5	50 - 150	
Imidacloprid	0.000	0.731	0.828	0.800	12.4	< 30	91.4	103.5	50 - 150	
Kresoxim-Methyl	0.000	0.911	0.967	0.800	6.0	< 30	113.9	120.9	50 - 150	
Malathion	0.000	0.384	0.429	0.400	11.1	< 30	96.0	107.3	50 - 150	
Metalaxyl	0.000	0.405	0.415	0.400	2.4	< 30	101.3	103.8	50 - 150	
Methiocarb	0.008	0.412	0.445	0.400	7.7	< 30	101.0	109.3	50 - 150	
Methomyl	0.000	0.578	0.862	0.800	***39.4***	< 30	72.3	107.8	50 - 150	R
MGK 264	0.000	0.426	0.487	0.400	13.4	< 30	106.5	121.8	50 - 150	
Myclobutanil	0.000	0.404	0.416	0.400	2.9	< 30	101.0	104.0	50 - 150	
Naled	0.000	1.020	1.080	1.000	5.7	< 30	102.0	108.0	50 - 150	
Oxamyl	0.000	1.770	2.060	2.000	15.1	< 30	88.5	103.0	50 - 150	
Paclobutrazol	0.000	0.861	0.909	0.800	5.4	< 30	107.6	113.6	50 - 150	
Parathion Methyl	0.000	0.660	0.867	0.800	27.1	< 30	82.5	108.4	30 - 150	
Permethrin	0.000	0.486	0.528	0.400	8.3	< 30	121.5	132.0	50 - 150	
Phosmet	0.000	0.388	0.394	0.400	1.5	< 30	97.0	98.5	50 - 150	
Piperonyl butoxide	0.031	2.670	2.890	2.000	7.9	< 30	132.0	143.0	50 - 150	
Prallethrin	0.007	0.201	0.219	0.200	8.6	< 30	97.1	106.1	50 - 150	
Propiconazole	0.000	0.839	0.876	0.800	4.3	< 30	104.9	109.5	50 - 150	
Propoxur	0.009	0.381	0.414	0.400	8.3	< 30	92.9	101.2	50 - 150	
Pyrethrins	0.001	0.393	0.411	0.284	4.5	< 30	137.9	144.3	50 - 150	
Pyridaben	0.000	0.699	0.727	0.400	3.9	< 30	***174.8***	***181.8***	50 - 150	Q1
Spinosad	0.000	0.427	0.454	0.388	6.1	< 30	110.1	117.0	50 - 150	
Spiromesifen	0.000	0.500	0.520	0.400	3.9	< 30	125.0	130.0	50 - 150	
Spirotetramat	0.000	0.343	0.359	0.400	4.6	< 30	85.8	89.8	50 - 150	
Spiroxamine	0.000	0.795	0.860	0.800	7.9	< 30	99.4	107.5	50 - 150	
Tebuconazol	0.034	0.768	0.842	0.800	9.2	< 30	91.8	101.0	50 - 150	
Thiacloprid	0.000	0.392	0.426	0.400	8.3	< 30	98.0	106.5	50 - 150	
Thiamethoxam	0.000	0.365	0.422	0.400	14.5	< 30	91.3	105.5	50 - 150	
Trifloxystrobin	0.023	0.461	0.512	0.400	7.5	< 30	109.6	122.4	50 - 150	

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1905386**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBDV	0.206		0.2	%	103	85 - 115	Acceptable	
CBD-A	0.199		0.2	%	99.5	85 - 115	Acceptable	
CBG-A	0.192		0.2	%	96.0	85 - 115	Acceptable	
CBG	0.207		0.2	%	104	85 - 115	Acceptable	
CBD	0.212		0.2	%	106	85 - 115	Acceptable	
THCV	0.196		0.2	%	98.0	85 - 115	Acceptable	
THCVA	0.191		0.2	%	95.5	85 - 115	Acceptable	
CBN	0.199		0.2	%	99.5	85 - 115	Acceptable	
THC	0.193		0.2	%	96.5	85 - 115	Acceptable	
D8THC	0.190		0.2	%	95.0	85 - 115	Acceptable	
CBL	0.188		0.2	%	94.0	85 - 115	Acceptable	
CBC	0.204		0.2	%	102	85 - 115	Acceptable	
THCA	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBCA	0.186		0.2	%	93.0	85 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	ND		0.1	%		< 0.1	Acceptable	
CBDV	ND		0.1	%		< 0.1	Acceptable	
CBD-A	ND		0.1	%		< 0.1	Acceptable	
CBG-A	ND		0.1	%		< 0.1	Acceptable	
CBG	ND		0.1	%		< 0.1	Acceptable	
CBD	ND		0.1	%		< 0.1	Acceptable	
THCV	ND		0.1	%		< 0.1	Acceptable	
THCVA	ND		0.1	%		< 0.1	Acceptable	
CBN	ND		0.1	%		< 0.1	Acceptable	
THC	ND		0.1	%		< 0.1	Acceptable	
D8THC	ND		0.1	%		< 0.1	Acceptable	
CBL	ND		0.1	%		< 0.1	Acceptable	
CBC	ND		0.1	%		< 0.1	Acceptable	
THCA	ND		0.1	%		< 0.1	Acceptable	
CBCA	ND		0.1	%		< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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PIXIS Labs
A Tentamus Company

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503-254-1794

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Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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J AOAC 2015 V98-6					Batch ID: 1905386			
Sample Duplicate					Sample ID: **19-006785-0005**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDV-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBDV	0.583	0.59	0.1	%	1.19	< 20	Acceptable	
CBD-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG	0.769	0.777	0.1	%	1.03	< 20	Acceptable	
CBD	36.2	36.8	0.1	%	1.64	< 20	Acceptable	
THCV	ND	ND	0.1	%	0	< 20	Acceptable	
THCVA	ND	ND	0.1	%	0	< 20	Acceptable	
CBN	ND	0.0961	0.1	%	3.98	< 20	Acceptable	
THC	1.43	1.45	0.1	%	1.39	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	0.204	0.194	0.1	%	5.03	< 20	Acceptable	
CBC	ND	ND	0.1	%	0	< 20	Acceptable	
THCA	ND	ND	0.1	%	0	< 20	Acceptable	
CBCA	ND	ND	0.1	%	0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
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.

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

Certificate of Quality Assurance

PRODUCT NAME: Natural Tincture
PRODUCT STRENGTH: 500 mg
LOT NUMBER: TNAT500-T117
OIL BATCH NUMBER: CONO19-68
DATE OF MANUFACTURE: 6/6/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 6/6/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil

beam

Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

Cannabinoid Potency of Raw Hemp Oil

Cannabinoid	Weight %
CBD	83.35
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results*

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

Certificate of Quality Assurance

PRODUCT NAME: Natural Tincture
PRODUCT STRENGTH: 500 mg
LOT NUMBER: TNAT500-T117
OIL BATCH NUMBER: CONO19-68
DATE OF MANUFACTURE: 6/6/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 6/6/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil

Heavy Metals*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

Analysis Results for Finished Product

Attribute	Acceptance Criteria	Result
Appearance	Light Yellow to Green Liquid	Conforms
Aroma	Characteristic Hemp Odor	Conforms
Cannabidiol Content	95% to 110% of Label Claim	Conforms
THC Content	None Detected	Conforms

* Results based on testing of multiple batches of hemp oil raw material.

Certified by: 6-24-19

Matthew Plenert, Ph.D — Date
Head Chemist and Quality Manager

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
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Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Product identity:	TNAT500-T117	**Client/Metrc ID:**	.
Laboratory ID:	19-006793-0002	**Sample Date:**	

Summary

Potency:

Analyte per 30ml	Result	Limits	Units	LOQ
CBD per 30ml	549		mg/30ml	27.6

CBD-Total per 30ml	549 mg/30ml
THC-Total per 30ml	< 51.888 mg/30ml

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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Customer: Beam Organics

Product identity: TNAT500-T117
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-006793-0002
Relinquished by: Received By Mail
Temp: 22.9 °C
Serving Size #1: 27.6 g

Sample Results

Potency per 30ml — Batch: 1905386

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBC-A per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBC-Total per 30ml†	< LOQ		mg/30ml	51.9	06/18/19	J AOAC 2015 V98-6	
CBD per 30ml	549		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	549		mg/30ml	51.9	06/18/19	J AOAC 2015 V98-6	
CBDV per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBDV-A per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml†	< LOQ		mg/30ml	51.6	06/18/19	J AOAC 2015 V98-6	
CBG per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBG-A per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBG-Total per 30ml†	< LOQ		mg/30ml	51.9	06/18/19	J AOAC 2015 V98-6	
CBL per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	51.9	06/18/19	J AOAC 2015 V98-6	
THCV per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
THCV-A per 30ml†	< LOQ		mg/30ml	27.6	06/18/19	J AOAC 2015 V98-6	
THCV-Total per 30ml†	< LOQ		mg/30ml	51.6	06/18/19	J AOAC 2015 V98-6	

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1905312 **Analyze** 06/15/19 12:57 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							

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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Lead	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X

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Job Number:	19-006793
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Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

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

mg/27.6g = Milligram per 27.6g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

19-006793 ORELAP ID: OR100028

Company: BEAM
Contact: n/a
Address: n/a
Email: n/a
Phone: n/a Fax:
Processor's License:

Analysis Requested

Heavy Metals LOQ .1 ppm

Please bill/send reports to Darcie Moran's account.

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
TM500-T116		x		x					x	x x				Oil		30ml	0.9213
TNAT500-T117		x		x					x	x x				Oil		30ml	0.9211
TM1000-T118		x		x					x	x x				Oil		30ml	0.9233
TM1500-T119		x		x					x	x x				Oil		30ml	0.9239
TNAT1000-T120		x		x					x	x x				Oil		30ml	0.9235
TNAT1500-T121		x		x					x	x x				Oil		30ml	0.9262

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑ Standard (5 day)	David Boaz	6/12	2PM		06/13/19	07:23
☐ Rush (3-4 day) (1.5x Standard)	DBoaz	6/12				
☐ Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 22.9
Shipped Via: Fedex
Evidence of cooling: ☐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: 1.03 Control#: CF023
Effective 03/06/2019 Revised 03/06/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2

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PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
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Received:	06/13/19 07:23

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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: 19-006793 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 6/13/19 Time: 07:23

Received By (Initials): _____

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): 4770 1288 0083

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

none

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)	3.9 °C		
16)	Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____			

Explain any discrepancies: _____

Page 2 of 2

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PIXIS Labs
A Tentamus Company

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503-254-1794

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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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: 1905312		
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.150	1.000	115.0	70 - 130	
Acequinocyl	ND	< 1.000		4.040	4.000	101.0	70 - 130	
Acetamiprid	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Aldicarb	ND	< 0.200		0.808	0.800	101.0	70 - 130	
Abamectin	ND	< 0.288		0.926	1.000	92.6	70 - 130	
Azoxystrobin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenazate	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenthrin	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Boscalid	ND	< 0.100		0.801	0.800	100.1	70 - 130	
Carbaryl	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Carbofuran	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.357	0.400	89.3	70 - 130	
Chlorfenapyr	ND	< 1.000		1.730	2.000	86.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Clofentezine	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Cyfluthrin	ND	< 1.000		1.800	2.000	90.0	30 - 150	
Cypermethrin	ND	< 1.000		2.050	2.000	102.5	70 - 130	
Daminozide	ND	< 1.000		2.140	2.000	107.0	30 - 150	
Diazinon	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Dichlorvos	ND	< 0.500		1.920	2.000	96.0	70 - 130	
Dimethoat	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Ethoprophos	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Etofenprox	ND	< 0.100		0.789	0.800	98.6	70 - 130	
Etoxazol	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.387	0.400	96.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.783	0.800	97.9	70 - 130	
Fipronil	ND	< 0.100		0.763	0.800	95.4	70 - 130	
Flonicamid	ND	< 0.400		1.030	1.000	103.0	70 - 130	
Fludioxonil	ND	< 0.100		0.739	0.800	92.4	70 - 130	
Hexythiazox	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Imazalil	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Imidacloprid	ND	< 0.200		0.784	0.800	98.0	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.819	0.800	102.4	70 - 130	
Malathion	ND	< 0.100		0.390	0.400	97.5	70 - 130	
Metalaxyl	ND	< 0.100		0.388	0.400	97.0	70 - 130	
Methiocarb	ND	< 0.100		0.398	0.400	99.5	70 - 130	
Methomyl	ND	< 0.200		0.860	0.800	107.5	70 - 130	
MGK 264	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Myclobutanil	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Naled	ND	< 0.200		0.962	1.000	96.2	70 - 130	
Oxamyl	ND	< 0.400		2.020	2.000	101.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.797	0.800	99.6	70 - 130	
Parathion Methyl	ND	< 0.200		0.758	0.800	94.8	30 - 150	
Permethrin	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Phosmet	ND	< 0.100		0.407	0.400	101.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.910	2.000	95.5	70 - 130	
Prallethrin	ND	< 0.200		0.203	0.200	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.805	0.800	100.6	70 - 130	
Propoxur	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Pyrethrins	ND	< 0.500		0.302	0.284	106.3	70 - 130	
Pyridaben	ND	< 0.100		0.547	0.400	***136.8***	70 - 130	Q1
Spinosad	ND	< 0.100		0.423	0.388	109.0	70 - 130	
Spiromesifen	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Spirotetramat	ND	< 0.100		0.392	0.400	98.0	70 - 130	
Spiroxamine	ND	< 0.100		0.859	0.800	107.4	70 - 130	
Tebuconazol	ND	< 0.200		0.756	0.800	94.5	70 - 130	
Thiacloprid	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Trifloxystrobin	ND	< 0.100		0.389	0.400	97.3	70 - 130	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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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: 1905312

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-006793-0002

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.745	0.860	1.000	14.3	< 30	74.5	86.0	50 - 150	
Acequinocyl	0.000	8.480	8.850	4.000	4.3	< 30	***212.0***	***221.3***	50 - 150	Q1
Acetamiprid	0.000	0.374	0.417	0.400	10.9	< 30	93.5	104.3	50 - 150	
Aldicarb	0.000	0.733	0.835	0.800	13.0	< 30	91.6	104.4	50 - 150	
Abamectin	0.000	1.220	1.290	1.000	5.6	< 30	122.0	129.0	50 - 150	
Azoxystrobin	0.012	0.420	0.451	0.400	7.1	< 30	102.0	109.8	50 - 150	
Bifenazate	0.000	0.388	0.404	0.400	4.0	< 30	97.0	101.0	50 - 150	
Bifenthrin	0.000	1.490	1.460	0.400	2.0	< 30	***372.5***	***365.0***	50 - 150	Q1
Boscalid	0.081	0.886	0.897	0.800	1.2	< 30	100.6	102.0	50 - 150	
Carbaryl	0.000	0.395	0.432	0.400	8.9	< 30	98.8	108.0	50 - 150	
Carbofuran	0.000	0.385	0.423	0.400	9.4	< 30	96.3	105.8	50 - 150	
Chlorantraniliprol	0.000	0.356	0.343	0.400	3.7	< 30	89.0	85.8	50 - 150	
Chlorfenapyr	0.000	3.010	3.220	2.000	6.7	< 30	***150.5***	***161.0***	50 - 150	Q1
Chlorpyrifos	0.000	0.519	0.539	0.400	3.8	< 30	129.8	134.8	50 - 150	
Clofentezine	0.000	0.448	0.491	0.400	9.2	< 30	112.0	122.8	50 - 150	
Cyfluthrin	0.000	3.760	3.800	2.000	1.1	< 30	***188.0***	***190.0***	30 - 150	Q1
Cypermethrin	0.000	2.720	2.920	2.000	7.1	< 30	136.0	146.0	50 - 150	
Daminozide	0.000	1.840	2.070	2.000	11.8	< 30	92.0	103.5	30 - 150	
Diazinon	0.000	0.407	0.456	0.400	11.4	< 30	101.8	114.0	50 - 150	
Dichlorvos	0.000	1.880	2.120	2.000	12.0	< 30	94.0	106.0	50 - 150	
Dimethoat	0.000	0.377	0.415	0.400	9.6	< 30	94.3	103.8	50 - 150	
Ethoprophos	0.000	0.407	0.433	0.400	6.2	< 30	101.8	108.3	50 - 150	
Etofenprox	0.026	1.090	1.100	0.800	0.9	< 30	133.0	134.2	50 - 150	
Etoxazol	0.000	0.472	0.502	0.400	6.2	< 30	118.0	125.5	50 - 150	
Fenoxycarb	0.000	0.376	0.401	0.400	6.4	< 30	94.0	100.3	50 - 150	
Fenpyroximat	0.018	0.843	0.903	0.800	6.9	< 30	103.1	110.6	50 - 150	
Fipronil	0.000	0.841	0.877	0.800	4.2	< 30	105.1	109.6	50 - 150	
Flonicamid	0.000	0.860	1.070	1.000	21.8	< 30	86.0	107.0	50 - 150	
Fludioxonil	0.000	0.718	0.828	0.800	14.2	< 30	89.8	103.5	50 - 150	
Hexythiazox	0.000	1.410	1.450	1.000	2.8	< 30	141.0	145.0	50 - 150	
Imazalil	0.000	0.385	0.418	0.400	8.2	< 30	96.3	104.5	50 - 150	
Imidacloprid	0.000	0.731	0.828	0.800	12.4	< 30	91.4	103.5	50 - 150	
Kresoxim-Methyl	0.000	0.911	0.967	0.800	6.0	< 30	113.9	120.9	50 - 150	
Malathion	0.000	0.384	0.429	0.400	11.1	< 30	96.0	107.3	50 - 150	
Metalaxyl	0.000	0.405	0.415	0.400	2.4	< 30	101.3	103.8	50 - 150	
Methiocarb	0.008	0.412	0.445	0.400	7.7	< 30	101.0	109.3	50 - 150	
Methomyl	0.000	0.578	0.862	0.800	***39.4***	< 30	72.3	107.8	50 - 150	R
MGK 264	0.000	0.426	0.487	0.400	13.4	< 30	106.5	121.8	50 - 150	
Myclobutanil	0.000	0.404	0.416	0.400	2.9	< 30	101.0	104.0	50 - 150	
Naled	0.000	1.020	1.080	1.000	5.7	< 30	102.0	108.0	50 - 150	
Oxamyl	0.000	1.770	2.060	2.000	15.1	< 30	88.5	103.0	50 - 150	
Paclobutrazol	0.000	0.861	0.909	0.800	5.4	< 30	107.6	113.6	50 - 150	
Parathion Methyl	0.000	0.660	0.867	0.800	27.1	< 30	82.5	108.4	30 - 150	
Permethrin	0.000	0.486	0.528	0.400	8.3	< 30	121.5	132.0	50 - 150	
Phosmet	0.000	0.388	0.394	0.400	1.5	< 30	97.0	98.5	50 - 150	
Piperonyl butoxide	0.031	2.670	2.890	2.000	7.9	< 30	132.0	143.0	50 - 150	
Prallethrin	0.007	0.201	0.219	0.200	8.6	< 30	97.1	106.1	50 - 150	
Propiconazole	0.000	0.839	0.876	0.800	4.3	< 30	104.9	109.5	50 - 150	
Propoxur	0.009	0.381	0.414	0.400	8.3	< 30	92.9	101.2	50 - 150	
Pyrethrins	0.001	0.393	0.411	0.284	4.5	< 30	137.9	144.3	50 - 150	
Pyridaben	0.000	0.699	0.727	0.400	3.9	< 30	***174.8***	***181.8***	50 - 150	Q1
Spinosad	0.000	0.427	0.454	0.388	6.1	< 30	110.1	117.0	50 - 150	
Spiromesifen	0.000	0.500	0.520	0.400	3.9	< 30	125.0	130.0	50 - 150	
Spirotetramat	0.000	0.343	0.359	0.400	4.6	< 30	85.8	89.8	50 - 150	
Spiroxamine	0.000	0.795	0.860	0.800	7.9	< 30	99.4	107.5	50 - 150	
Tebuconazol	0.034	0.768	0.842	0.800	9.2	< 30	91.8	101.0	50 - 150	
Thiacloprid	0.000	0.392	0.426	0.400	8.3	< 30	98.0	106.5	50 - 150	
Thiamethoxam	0.000	0.365	0.422	0.400	14.5	< 30	91.3	105.5	50 - 150	
Trifloxystrobin	0.023	0.461	0.512	0.400	7.5	< 30	109.6	122.4	50 - 150	

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PIXIS Labs
A Tentamus Company

12423 NE Whitaker Way
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503-254-1794

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1905386**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBDV	0.206		0.2	%	103	85 - 115	Acceptable	
CBD-A	0.199		0.2	%	99.5	85 - 115	Acceptable	
CBG-A	0.192		0.2	%	96.0	85 - 115	Acceptable	
CBG	0.207		0.2	%	104	85 - 115	Acceptable	
CBD	0.212		0.2	%	106	85 - 115	Acceptable	
THCV	0.196		0.2	%	98.0	85 - 115	Acceptable	
THCVA	0.191		0.2	%	95.5	85 - 115	Acceptable	
CBN	0.199		0.2	%	99.5	85 - 115	Acceptable	
THC	0.193		0.2	%	96.5	85 - 115	Acceptable	
D8THC	0.190		0.2	%	95.0	85 - 115	Acceptable	
CBL	0.188		0.2	%	94.0	85 - 115	Acceptable	
CBC	0.204		0.2	%	102	85 - 115	Acceptable	
THCA	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBCA	0.186		0.2	%	93.0	85 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	ND		0.1	%		< 0.1	Acceptable	
CBDV	ND		0.1	%		< 0.1	Acceptable	
CBD-A	ND		0.1	%		< 0.1	Acceptable	
CBG-A	ND		0.1	%		< 0.1	Acceptable	
CBG	ND		0.1	%		< 0.1	Acceptable	
CBD	ND		0.1	%		< 0.1	Acceptable	
THCV	ND		0.1	%		< 0.1	Acceptable	
THCVA	ND		0.1	%		< 0.1	Acceptable	
CBN	ND		0.1	%		< 0.1	Acceptable	
THC	ND		0.1	%		< 0.1	Acceptable	
D8THC	ND		0.1	%		< 0.1	Acceptable	
CBL	ND		0.1	%		< 0.1	Acceptable	
CBC	ND		0.1	%		< 0.1	Acceptable	
THCA	ND		0.1	%		< 0.1	Acceptable	
CBCA	ND		0.1	%		< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

J AOAC 2015 V98-6					Batch ID: 1905386			
Sample Duplicate					Sample ID: **19-006785-0005**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDV-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBDV	0.583	0.59	0.1	%	1.19	< 20	Acceptable	
CBD-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG	0.769	0.777	0.1	%	1.03	< 20	Acceptable	
CBD	36.2	36.8	0.1	%	1.64	< 20	Acceptable	
THCV	ND	ND	0.1	%	0	< 20	Acceptable	
THCVA	ND	ND	0.1	%	0	< 20	Acceptable	
CBN	ND	0.0961	0.1	%	3.98	< 20	Acceptable	
THC	1.43	1.45	0.1	%	1.39	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	0.204	0.194	0.1	%	5.03	< 20	Acceptable	
CBC	ND	ND	0.1	%	0	< 20	Acceptable	
THCA	ND	ND	0.1	%	0	< 20	Acceptable	
CBCA	ND	ND	0.1	%	0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
A Tentamus Company

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503-254-1794

Job Number:	19-006793
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ORELAP#:	OR100028
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Received:	06/13/19 07:23

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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.

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

Certificate of Quality Assurance

PRODUCT NAME: Natural Tincture
PRODUCT STRENGTH: 1500 mg
LOT NUMBER: TNAT1500-T121
OIL BATCH NUMBER: CONO19-68
DATE OF MANUFACTURE: 6/6/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 6/6/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil

beam

Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

Cannabinoid Potency of Raw Hemp Oil

Cannabinoid	Weight %
CBD	83.35
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results*

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

Certificate of Quality Assurance

PRODUCT NAME: Natural Tincture
PRODUCT STRENGTH: 1500 mg
LOT NUMBER: TNAT1500-T121
OIL BATCH NUMBER: CONO19-68
DATE OF MANUFACTURE: 6/6/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 6/6/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil

Heavy Metals*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

Analysis Results for Finished Product

Attribute	Acceptance Criteria	Result
Appearance	Light Yellow to Green Liquid	Conforms
Aroma	Characteristic Hemp Odor	Conforms
Cannabidiol Content	95% to 110% of Label Claim	Conforms
THC Content	None Detected	Conforms

* Results based on testing of multiple batches of hemp oil raw material.

Certified by:  6-24-19

Matthew Plenert, Ph.D — Date
Head Chemist and Quality Manager

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Product identity:	TNAT1500-T121	**Client/Metrc ID:**	.
Laboratory ID:	19-006793-0006	**Sample Date:**	

Summary

Potency:

Analyte per 30ml	Result	Limits	Units	LOQ
CBD per 30ml	1670		mg/30ml	27.8

CBD-Total per 30ml	1670 mg/30ml
THC-Total per 30ml	< 52.264 mg/30ml

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Customer: Beam Organics

Product identity: TNAT1500-T121
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-006793-0006
Relinquished by: Received By Mail
Temp: 22.9 °C
Serving Size #1: 27.8 g

Sample Results

Potency per 30ml — Batch: 1905386

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBC-A per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBC-Total per 30ml†	< LOQ		mg/30ml	52.3	06/18/19	J AOAC 2015 V98-6	
CBD per 30ml	1670		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	1670		mg/30ml	52.3	06/18/19	J AOAC 2015 V98-6	
CBDV per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBDV-A per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml†	< LOQ		mg/30ml	52.0	06/18/19	J AOAC 2015 V98-6	
CBG per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBG-A per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBG-Total per 30ml†	< LOQ		mg/30ml	52.3	06/18/19	J AOAC 2015 V98-6	
CBL per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	52.3	06/18/19	J AOAC 2015 V98-6	
THCV per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
THCV-A per 30ml†	< LOQ		mg/30ml	27.8	06/18/19	J AOAC 2015 V98-6	
THCV-Total per 30ml†	< LOQ		mg/30ml	52.0	06/18/19	J AOAC 2015 V98-6	

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

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A Tentamus Company

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Portland, OR 97230
503-254-1794

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Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1905312 **Analyze** 06/15/19 12:57 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							

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PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Lead	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X

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PIXIS Labs
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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

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

mg/27.8g = Milligram per 27.8g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

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

Cannabis Chain of Custody Record

19-006793 ORELAP ID: OR100028

PIXIS Labs A Tentamus Company

Company: BEAM
Contact: n/a
Address: n/a
Email: n/a
Phone: n/a Fax:
Processor's License:

Analysis Requested

Heavy Metals LOQ .1 ppm

Please bill/send reports to Darcie Moran's account.

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
TM500-T116		x		x					x	x x				Oil		30ml	0.9213
TNAT500-T117		x		x					x	x x				Oil		30ml	0.9211
TM1000-T118		x		x					x	x x				Oil		30ml	0.9233
TM1500-T119		x		x					x	x x				Oil		30ml	0.9239
TNAT1000-T120		x		x					x	x x				Oil		30ml	0.9235
TNAT1500-T121		x		x					x	x x				Oil		30ml	0.9262

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑ Standard (5 day)	David Boaz	6/12	2PM		06/13/19	07:23
☐ Rush (3-4 day) (1.5x Standard)	D.B.2	6/12				
☐ Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 22.9
Shipped Via: Fedex
Evidence of cooling: ☐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: 1.03 Control#: CF023
Effective 03/06/2019 Revised 03/06/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2

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PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
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Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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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: 19-006793 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 6/13/19 Time: 07:23

Received By (Initials): _____

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): 4776 1288 0083

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

none

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)	3.9	°C

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

Explain any discrepancies: _____

Page 2 of 2

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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: 1905312		
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.150	1.000	115.0	70 - 130	
Acequinocyl	ND	< 1.000		4.040	4.000	101.0	70 - 130	
Acetamiprid	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Aldicarb	ND	< 0.200		0.808	0.800	101.0	70 - 130	
Abamectin	ND	< 0.288		0.926	1.000	92.6	70 - 130	
Azoxystrobin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenazate	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenthrin	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Boscalid	ND	< 0.100		0.801	0.800	100.1	70 - 130	
Carbaryl	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Carbofuran	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.357	0.400	89.3	70 - 130	
Chlorfenapyr	ND	< 1.000		1.730	2.000	86.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Clofentezine	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Cyfluthrin	ND	< 1.000		1.800	2.000	90.0	30 - 150	
Cypermethrin	ND	< 1.000		2.050	2.000	102.5	70 - 130	
Daminozide	ND	< 1.000		2.140	2.000	107.0	30 - 150	
Diazinon	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Dichlorvos	ND	< 0.500		1.920	2.000	96.0	70 - 130	
Dimethoat	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Ethoprophos	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Etofenprox	ND	< 0.100		0.789	0.800	98.6	70 - 130	
Etoxazol	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.387	0.400	96.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.783	0.800	97.9	70 - 130	
Fipronil	ND	< 0.100		0.763	0.800	95.4	70 - 130	
Flonicamid	ND	< 0.400		1.030	1.000	103.0	70 - 130	
Fludioxonil	ND	< 0.100		0.739	0.800	92.4	70 - 130	
Hexythiazox	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Imazalil	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Imidacloprid	ND	< 0.200		0.784	0.800	98.0	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.819	0.800	102.4	70 - 130	
Malathion	ND	< 0.100		0.390	0.400	97.5	70 - 130	
Metalaxyl	ND	< 0.100		0.388	0.400	97.0	70 - 130	
Methiocarb	ND	< 0.100		0.398	0.400	99.5	70 - 130	
Methomyl	ND	< 0.200		0.860	0.800	107.5	70 - 130	
MGK 264	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Myclobutanil	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Naled	ND	< 0.200		0.962	1.000	96.2	70 - 130	
Oxamyl	ND	< 0.400		2.020	2.000	101.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.797	0.800	99.6	70 - 130	
Parathion Methyl	ND	< 0.200		0.758	0.800	94.8	30 - 150	
Permethrin	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Phosmet	ND	< 0.100		0.407	0.400	101.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.910	2.000	95.5	70 - 130	
Prallethrin	ND	< 0.200		0.203	0.200	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.805	0.800	100.6	70 - 130	
Propoxur	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Pyrethrins	ND	< 0.500		0.302	0.284	106.3	70 - 130	
Pyridaben	ND	< 0.100		0.547	0.400	***136.8***	70 - 130	Q1
Spinosad	ND	< 0.100		0.423	0.388	109.0	70 - 130	
Spiromesifen	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Spirotetramat	ND	< 0.100		0.392	0.400	98.0	70 - 130	
Spiroxamine	ND	< 0.100		0.859	0.800	107.4	70 - 130	
Tebuconazol	ND	< 0.200		0.756	0.800	94.5	70 - 130	
Thiacloprid	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Trifloxystrobin	ND	< 0.100		0.389	0.400	97.3	70 - 130	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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: 1905312

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-006793-0002

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.745	0.860	1.000	14.3	< 30	74.5	86.0	50 - 150	
Acequinocyl	0.000	8.480	8.850	4.000	4.3	< 30	***212.0***	***221.3***	50 - 150	Q1
Acetamiprid	0.000	0.374	0.417	0.400	10.9	< 30	93.5	104.3	50 - 150	
Aldicarb	0.000	0.733	0.835	0.800	13.0	< 30	91.6	104.4	50 - 150	
Abamectin	0.000	1.220	1.290	1.000	5.6	< 30	122.0	129.0	50 - 150	
Azoxystrobin	0.012	0.420	0.451	0.400	7.1	< 30	102.0	109.8	50 - 150	
Bifenazate	0.000	0.388	0.404	0.400	4.0	< 30	97.0	101.0	50 - 150	
Bifenthrin	0.000	1.490	1.460	0.400	2.0	< 30	***372.5***	***365.0***	50 - 150	Q1
Boscalid	0.081	0.886	0.897	0.800	1.2	< 30	100.6	102.0	50 - 150	
Carbaryl	0.000	0.395	0.432	0.400	8.9	< 30	98.8	108.0	50 - 150	
Carbofuran	0.000	0.385	0.423	0.400	9.4	< 30	96.3	105.8	50 - 150	
Chlorantraniliprol	0.000	0.356	0.343	0.400	3.7	< 30	89.0	85.8	50 - 150	
Chlorfenapyr	0.000	3.010	3.220	2.000	6.7	< 30	***150.5***	***161.0***	50 - 150	Q1
Chlorpyrifos	0.000	0.519	0.539	0.400	3.8	< 30	129.8	134.8	50 - 150	
Clofentezine	0.000	0.448	0.491	0.400	9.2	< 30	112.0	122.8	50 - 150	
Cyfluthrin	0.000	3.760	3.800	2.000	1.1	< 30	***188.0***	***190.0***	30 - 150	Q1
Cypermethrin	0.000	2.720	2.920	2.000	7.1	< 30	136.0	146.0	50 - 150	
Daminozide	0.000	1.840	2.070	2.000	11.8	< 30	92.0	103.5	30 - 150	
Diazinon	0.000	0.407	0.456	0.400	11.4	< 30	101.8	114.0	50 - 150	
Dichlorvos	0.000	1.880	2.120	2.000	12.0	< 30	94.0	106.0	50 - 150	
Dimethoat	0.000	0.377	0.415	0.400	9.6	< 30	94.3	103.8	50 - 150	
Ethoprophos	0.000	0.407	0.433	0.400	6.2	< 30	101.8	108.3	50 - 150	
Etofenprox	0.026	1.090	1.100	0.800	0.9	< 30	133.0	134.2	50 - 150	
Etoxazol	0.000	0.472	0.502	0.400	6.2	< 30	118.0	125.5	50 - 150	
Fenoxycarb	0.000	0.376	0.401	0.400	6.4	< 30	94.0	100.3	50 - 150	
Fenpyroximat	0.018	0.843	0.903	0.800	6.9	< 30	103.1	110.6	50 - 150	
Fipronil	0.000	0.841	0.877	0.800	4.2	< 30	105.1	109.6	50 - 150	
Flonicamid	0.000	0.860	1.070	1.000	21.8	< 30	86.0	107.0	50 - 150	
Fludioxonil	0.000	0.718	0.828	0.800	14.2	< 30	89.8	103.5	50 - 150	
Hexythiazox	0.000	1.410	1.450	1.000	2.8	< 30	141.0	145.0	50 - 150	
Imazalil	0.000	0.385	0.418	0.400	8.2	< 30	96.3	104.5	50 - 150	
Imidacloprid	0.000	0.731	0.828	0.800	12.4	< 30	91.4	103.5	50 - 150	
Kresoxim-Methyl	0.000	0.911	0.967	0.800	6.0	< 30	113.9	120.9	50 - 150	
Malathion	0.000	0.384	0.429	0.400	11.1	< 30	96.0	107.3	50 - 150	
Metalaxyl	0.000	0.405	0.415	0.400	2.4	< 30	101.3	103.8	50 - 150	
Methiocarb	0.008	0.412	0.445	0.400	7.7	< 30	101.0	109.3	50 - 150	
Methomyl	0.000	0.578	0.862	0.800	***39.4***	< 30	72.3	107.8	50 - 150	R
MGK 264	0.000	0.426	0.487	0.400	13.4	< 30	106.5	121.8	50 - 150	
Myclobutanil	0.000	0.404	0.416	0.400	2.9	< 30	101.0	104.0	50 - 150	
Naled	0.000	1.020	1.080	1.000	5.7	< 30	102.0	108.0	50 - 150	
Oxamyl	0.000	1.770	2.060	2.000	15.1	< 30	88.5	103.0	50 - 150	
Paclobutrazol	0.000	0.861	0.909	0.800	5.4	< 30	107.6	113.6	50 - 150	
Parathion Methyl	0.000	0.660	0.867	0.800	27.1	< 30	82.5	108.4	30 - 150	
Permethrin	0.000	0.486	0.528	0.400	8.3	< 30	121.5	132.0	50 - 150	
Phosmet	0.000	0.388	0.394	0.400	1.5	< 30	97.0	98.5	50 - 150	
Piperonyl butoxide	0.031	2.670	2.890	2.000	7.9	< 30	132.0	143.0	50 - 150	
Prallethrin	0.007	0.201	0.219	0.200	8.6	< 30	97.1	106.1	50 - 150	
Propiconazole	0.000	0.839	0.876	0.800	4.3	< 30	104.9	109.5	50 - 150	
Propoxur	0.009	0.381	0.414	0.400	8.3	< 30	92.9	101.2	50 - 150	
Pyrethrins	0.001	0.393	0.411	0.284	4.5	< 30	137.9	144.3	50 - 150	
Pyridaben	0.000	0.699	0.727	0.400	3.9	< 30	***174.8***	***181.8***	50 - 150	Q1
Spinosad	0.000	0.427	0.454	0.388	6.1	< 30	110.1	117.0	50 - 150	
Spiromesifen	0.000	0.500	0.520	0.400	3.9	< 30	125.0	130.0	50 - 150	
Spirotetramat	0.000	0.343	0.359	0.400	4.6	< 30	85.8	89.8	50 - 150	
Spiroxamine	0.000	0.795	0.860	0.800	7.9	< 30	99.4	107.5	50 - 150	
Tebuconazol	0.034	0.768	0.842	0.800	9.2	< 30	91.8	101.0	50 - 150	
Thiacloprid	0.000	0.392	0.426	0.400	8.3	< 30	98.0	106.5	50 - 150	
Thiamethoxam	0.000	0.365	0.422	0.400	14.5	< 30	91.3	105.5	50 - 150	
Trifloxystrobin	0.023	0.461	0.512	0.400	7.5	< 30	109.6	122.4	50 - 150	

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1905386**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBDV	0.206		0.2	%	103	85 - 115	Acceptable	
CBD-A	0.199		0.2	%	99.5	85 - 115	Acceptable	
CBG-A	0.192		0.2	%	96.0	85 - 115	Acceptable	
CBG	0.207		0.2	%	104	85 - 115	Acceptable	
CBD	0.212		0.2	%	106	85 - 115	Acceptable	
THCV	0.196		0.2	%	98.0	85 - 115	Acceptable	
THCVA	0.191		0.2	%	95.5	85 - 115	Acceptable	
CBN	0.199		0.2	%	99.5	85 - 115	Acceptable	
THC	0.193		0.2	%	96.5	85 - 115	Acceptable	
D8THC	0.190		0.2	%	95.0	85 - 115	Acceptable	
CBL	0.188		0.2	%	94.0	85 - 115	Acceptable	
CBC	0.204		0.2	%	102	85 - 115	Acceptable	
THCA	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBCA	0.186		0.2	%	93.0	85 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	ND		0.1	%		< 0.1	Acceptable	
CBDV	ND		0.1	%		< 0.1	Acceptable	
CBD-A	ND		0.1	%		< 0.1	Acceptable	
CBG-A	ND		0.1	%		< 0.1	Acceptable	
CBG	ND		0.1	%		< 0.1	Acceptable	
CBD	ND		0.1	%		< 0.1	Acceptable	
THCV	ND		0.1	%		< 0.1	Acceptable	
THCVA	ND		0.1	%		< 0.1	Acceptable	
CBN	ND		0.1	%		< 0.1	Acceptable	
THC	ND		0.1	%		< 0.1	Acceptable	
D8THC	ND		0.1	%		< 0.1	Acceptable	
CBL	ND		0.1	%		< 0.1	Acceptable	
CBC	ND		0.1	%		< 0.1	Acceptable	
THCA	ND		0.1	%		< 0.1	Acceptable	
CBCA	ND		0.1	%		< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

J AOAC 2015 V98-6					Batch ID: 1905386			
Sample Duplicate					Sample ID: **19-006785-0005**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDV-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBDV	0.583	0.59	0.1	%	1.19	< 20	Acceptable	
CBD-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG	0.769	0.777	0.1	%	1.03	< 20	Acceptable	
CBD	36.2	36.8	0.1	%	1.64	< 20	Acceptable	
THCV	ND	ND	0.1	%	0	< 20	Acceptable	
THCVA	ND	ND	0.1	%	0	< 20	Acceptable	
CBN	ND	0.0961	0.1	%	3.98	< 20	Acceptable	
THC	1.43	1.45	0.1	%	1.39	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	0.204	0.194	0.1	%	5.03	< 20	Acceptable	
CBC	ND	ND	0.1	%	0	< 20	Acceptable	
THCA	ND	ND	0.1	%	0	< 20	Acceptable	
CBCA	ND	ND	0.1	%	0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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Report Date:	06/20/2019
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Received:	06/13/19 07:23

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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.

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

Certificate of Quality Assurance

PRODUCT NAME: Natural Tincture
PRODUCT STRENGTH: 1000 mg
LOT NUMBER: TNAT1000-T120
OIL BATCH NUMBER: CONO19-68
DATE OF MANUFACTURE: 6/6/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 6/6/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil

beam

Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

Cannabinoid Potency of Raw Hemp Oil

Cannabinoid	Weight %
CBD	83.35
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results*

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

Certificate of Quality Assurance

PRODUCT NAME: Natural Tincture
PRODUCT STRENGTH: 1000 mg
LOT NUMBER: TNAT1000-T120
OIL BATCH NUMBER: CONO19-68
DATE OF MANUFACTURE: 6/6/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 6/6/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: Grapeseed Oil, Hempseed Oil

Heavy Metals*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

Analysis Results for Finished Product

Attribute	Acceptance Criteria	Result
Appearance	Light Yellow to Green Liquid	Conforms
Aroma	Characteristic Hemp Odor	Conforms
Cannabidiol Content	95% to 110% of Label Claim	Conforms
THC Content	None Detected	Conforms

* Results based on testing of multiple batches of hemp oil raw material.

Certified by:  6-24-19

Matthew Plenert, Ph.D — Date
Head Chemist and Quality Manager

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Product identity:	TNAT1000-T120	**Client/Metrc ID:**	.
Laboratory ID:	19-006793-0005	**Sample Date:**	

Summary

Potency:

Analyte per 30ml	Result	Limits	Units	LOQ
CBD per 30ml	1110		mg/30ml	27.7

CBD-Total per 30ml	1110 mg/30ml
THC-Total per 30ml	< 52.076 mg/30ml

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Customer: Beam Organics

Product identity: TNAT1000-T120
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-006793-0005
Relinquished by: Received By Mail
Temp: 22.9 °C
Serving Size #1: 27.7 g

Sample Results

Potency per 30ml — Batch: 1905386

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBC-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBC-Total per 30ml†	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBD per 30ml	1110		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	1110		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBDV per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBDV-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml†	< LOQ		mg/30ml	51.8	06/18/19	J AOAC 2015 V98-6	
CBG per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBG-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBG-Total per 30ml†	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
CBL per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	52.1	06/18/19	J AOAC 2015 V98-6	
THCV per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THCV-A per 30ml†	< LOQ		mg/30ml	27.7	06/18/19	J AOAC 2015 V98-6	
THCV-Total per 30ml†	< LOQ		mg/30ml	51.8	06/18/19	J AOAC 2015 V98-6	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1905266	06/16/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1905265	06/16/19	AOAC 2014.05 (RAPID)	X

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1905312 **Analyze** 06/15/19 12:57 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							

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Cadmium	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Lead	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X
Mercury	< LOQ		mg/kg	0.100	1905340	06/14/19	AOAC 2013.06	X

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PIXIS Labs
A Tentamus Company

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503-254-1794

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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

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

mg/27.7g = Milligram per 27.7g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

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

Cannabis Chain of Custody Record

19-006793 ORELAP ID: OR100028

Company: BEAM
Contact: n/a
Address: n/a
Email: n/a
Phone: n/a Fax:
Processor's License:

Analysis Requested

Heavy Metals LOQ .1 ppm

Please bill/send reports to Darcie Moran's account.

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
TM500-T116		x		x					x	x x				Oil		30ml	0.9213
TNAT500-T117		x		x					x	x x				Oil		30ml	0.9211
TM1000-T118		x		x					x	x x				Oil		30ml	0.9233
TM1500-T119		x		x					x	x x				Oil		30ml	0.9239
TNAT1000-T120		x		x					x	x x				Oil		30ml	0.9235
TNAT1500-T121		x		x					x	x x				Oil		30ml	0.9262

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑ Standard (5 day)	David Boaz	6/12	2PM		06/13/19	07:23
☐ Rush (3-4 day) (1.5x Standard)	D.B.2	6/12				
☐ Priority Rush (2 day) (2x Standard)						

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 22.9
Shipped Via: Fedex
Evidence of cooling: ☐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: 1.03 Control#: CF023
Effective 03/06/2019 Revised 03/06/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
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Report Date:	06/20/2019
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Received:	06/13/19 07:23

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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: 19-006793 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 6/13/19 Time: 07:23

Received By (Initials): _____

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): 4776 1288 0083

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 — none

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) 3.9 °C

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

Explain any discrepancies: _____

Page 2 of 2

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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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: 1905312	
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.150	1.000	115.0	70 - 130	
Acequinocyl	ND	< 1.000		4.040	4.000	101.0	70 - 130	
Acetamiprid	ND	< 0.100		0.413	0.400	103.3	70 - 130	
Aldicarb	ND	< 0.200		0.808	0.800	101.0	70 - 130	
Abamectin	ND	< 0.288		0.926	1.000	92.6	70 - 130	
Azoxystrobin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenazate	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Bifenthrin	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Boscalid	ND	< 0.100		0.801	0.800	100.1	70 - 130	
Carbaryl	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Carbofuran	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.357	0.400	89.3	70 - 130	
Chlorfenapyr	ND	< 1.000		1.730	2.000	86.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Clofentezine	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Cyfluthrin	ND	< 1.000		1.800	2.000	90.0	30 - 150	
Cypermethrin	ND	< 1.000		2.050	2.000	102.5	70 - 130	
Daminozide	ND	< 1.000		2.140	2.000	107.0	30 - 150	
Diazinon	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Dichlorvos	ND	< 0.500		1.920	2.000	96.0	70 - 130	
Dimethoat	ND	< 0.100		0.404	0.400	101.0	70 - 130	
Ethoprophos	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Etofenprox	ND	< 0.100		0.789	0.800	98.6	70 - 130	
Etoxazol	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.387	0.400	96.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.783	0.800	97.9	70 - 130	
Fipronil	ND	< 0.100		0.763	0.800	95.4	70 - 130	
Flonicamid	ND	< 0.400		1.030	1.000	103.0	70 - 130	
Fludioxonil	ND	< 0.100		0.739	0.800	92.4	70 - 130	
Hexythiazox	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Imazalil	ND	< 0.100		0.421	0.400	105.3	70 - 130	
Imidacloprid	ND	< 0.200		0.784	0.800	98.0	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.819	0.800	102.4	70 - 130	
Malathion	ND	< 0.100		0.390	0.400	97.5	70 - 130	
Metalaxyl	ND	< 0.100		0.388	0.400	97.0	70 - 130	
Methiocarb	ND	< 0.100		0.398	0.400	99.5	70 - 130	
Methomyl	ND	< 0.200		0.860	0.800	107.5	70 - 130	
MGK 264	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Myclobutanil	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Naled	ND	< 0.200		0.962	1.000	96.2	70 - 130	
Oxamyl	ND	< 0.400		2.020	2.000	101.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.797	0.800	99.6	70 - 130	
Parathion Methyl	ND	< 0.200		0.758	0.800	94.8	30 - 150	
Permethrin	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Phosmet	ND	< 0.100		0.407	0.400	101.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.910	2.000	95.5	70 - 130	
Prallethrin	ND	< 0.200		0.203	0.200	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.805	0.800	100.6	70 - 130	
Propoxur	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Pyrethrins	ND	< 0.500		0.302	0.284	106.3	70 - 130	
Pyridaben	ND	< 0.100		0.547	0.400	***136.8***	70 - 130	Q1
Spinosad	ND	< 0.100		0.423	0.388	109.0	70 - 130	
Spiromesifen	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Spirotetramat	ND	< 0.100		0.392	0.400	98.0	70 - 130	
Spiroxamine	ND	< 0.100		0.859	0.800	107.4	70 - 130	
Tebuconazol	ND	< 0.200		0.756	0.800	94.5	70 - 130	
Thiacloprid	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Trifloxystrobin	ND	< 0.100		0.389	0.400	97.3	70 - 130	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-006793
Report Number: 19-006793-00
Report Date: 06/20/2019
ORELAP#: OR100028
Purchase Order:
Received: 06/13/19 07:23

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: 1905312

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-006793-0002

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.745	0.860	1.000	14.3	< 30	74.5	86.0	50 - 150	
Acequinocyl	0.000	8.480	8.850	4.000	4.3	< 30	***212.0***	***221.3***	50 - 150	Q1
Acetamiprid	0.000	0.374	0.417	0.400	10.9	< 30	93.5	104.3	50 - 150	
Aldicarb	0.000	0.733	0.835	0.800	13.0	< 30	91.6	104.4	50 - 150	
Abamectin	0.000	1.220	1.290	1.000	5.6	< 30	122.0	129.0	50 - 150	
Azoxystrobin	0.012	0.420	0.451	0.400	7.1	< 30	102.0	109.8	50 - 150	
Bifenazate	0.000	0.388	0.404	0.400	4.0	< 30	97.0	101.0	50 - 150	
Bifenthrin	0.000	1.490	1.460	0.400	2.0	< 30	***372.5***	***365.0***	50 - 150	Q1
Boscalid	0.081	0.886	0.897	0.800	1.2	< 30	100.6	102.0	50 - 150	
Carbaryl	0.000	0.395	0.432	0.400	8.9	< 30	98.8	108.0	50 - 150	
Carbofuran	0.000	0.385	0.423	0.400	9.4	< 30	96.3	105.8	50 - 150	
Chlorantraniliprol	0.000	0.356	0.343	0.400	3.7	< 30	89.0	85.8	50 - 150	
Chlorfenapyr	0.000	3.010	3.220	2.000	6.7	< 30	***150.5***	***161.0***	50 - 150	Q1
Chlorpyrifos	0.000	0.519	0.539	0.400	3.8	< 30	129.8	134.8	50 - 150	
Clofentezine	0.000	0.448	0.491	0.400	9.2	< 30	112.0	122.8	50 - 150	
Cyfluthrin	0.000	3.760	3.800	2.000	1.1	< 30	***188.0***	***190.0***	30 - 150	Q1
Cypermethrin	0.000	2.720	2.920	2.000	7.1	< 30	136.0	146.0	50 - 150	
Daminozide	0.000	1.840	2.070	2.000	11.8	< 30	92.0	103.5	30 - 150	
Diazinon	0.000	0.407	0.456	0.400	11.4	< 30	101.8	114.0	50 - 150	
Dichlorvos	0.000	1.880	2.120	2.000	12.0	< 30	94.0	106.0	50 - 150	
Dimethoat	0.000	0.377	0.415	0.400	9.6	< 30	94.3	103.8	50 - 150	
Ethoprophos	0.000	0.407	0.433	0.400	6.2	< 30	101.8	108.3	50 - 150	
Etofenprox	0.026	1.090	1.100	0.800	0.9	< 30	133.0	134.2	50 - 150	
Etoxazol	0.000	0.472	0.502	0.400	6.2	< 30	118.0	125.5	50 - 150	
Fenoxycarb	0.000	0.376	0.401	0.400	6.4	< 30	94.0	100.3	50 - 150	
Fenpyroximat	0.018	0.843	0.903	0.800	6.9	< 30	103.1	110.6	50 - 150	
Fipronil	0.000	0.841	0.877	0.800	4.2	< 30	105.1	109.6	50 - 150	
Flonicamid	0.000	0.860	1.070	1.000	21.8	< 30	86.0	107.0	50 - 150	
Fludioxonil	0.000	0.718	0.828	0.800	14.2	< 30	89.8	103.5	50 - 150	
Hexythiazox	0.000	1.410	1.450	1.000	2.8	< 30	141.0	145.0	50 - 150	
Imazalil	0.000	0.385	0.418	0.400	8.2	< 30	96.3	104.5	50 - 150	
Imidacloprid	0.000	0.731	0.828	0.800	12.4	< 30	91.4	103.5	50 - 150	
Kresoxim-Methyl	0.000	0.911	0.967	0.800	6.0	< 30	113.9	120.9	50 - 150	
Malathion	0.000	0.384	0.429	0.400	11.1	< 30	96.0	107.3	50 - 150	
Metalaxyl	0.000	0.405	0.415	0.400	2.4	< 30	101.3	103.8	50 - 150	
Methiocarb	0.008	0.412	0.445	0.400	7.7	< 30	101.0	109.3	50 - 150	
Methomyl	0.000	0.578	0.862	0.800	***39.4***	< 30	72.3	107.8	50 - 150	R
MGK 264	0.000	0.426	0.487	0.400	13.4	< 30	106.5	121.8	50 - 150	
Myclobutanil	0.000	0.404	0.416	0.400	2.9	< 30	101.0	104.0	50 - 150	
Naled	0.000	1.020	1.080	1.000	5.7	< 30	102.0	108.0	50 - 150	
Oxamyl	0.000	1.770	2.060	2.000	15.1	< 30	88.5	103.0	50 - 150	
Paclobutrazol	0.000	0.861	0.909	0.800	5.4	< 30	107.6	113.6	50 - 150	
Parathion Methyl	0.000	0.660	0.867	0.800	27.1	< 30	82.5	108.4	30 - 150	
Permethrin	0.000	0.486	0.528	0.400	8.3	< 30	121.5	132.0	50 - 150	
Phosmet	0.000	0.388	0.394	0.400	1.5	< 30	97.0	98.5	50 - 150	
Piperonyl butoxide	0.031	2.670	2.890	2.000	7.9	< 30	132.0	143.0	50 - 150	
Prallethrin	0.007	0.201	0.219	0.200	8.6	< 30	97.1	106.1	50 - 150	
Propiconazole	0.000	0.839	0.876	0.800	4.3	< 30	104.9	109.5	50 - 150	
Propoxur	0.009	0.381	0.414	0.400	8.3	< 30	92.9	101.2	50 - 150	
Pyrethrins	0.001	0.393	0.411	0.284	4.5	< 30	137.9	144.3	50 - 150	
Pyridaben	0.000	0.699	0.727	0.400	3.9	< 30	***174.8***	***181.8***	50 - 150	Q1
Spinosad	0.000	0.427	0.454	0.388	6.1	< 30	110.1	117.0	50 - 150	
Spiromesifen	0.000	0.500	0.520	0.400	3.9	< 30	125.0	130.0	50 - 150	
Spirotetramat	0.000	0.343	0.359	0.400	4.6	< 30	85.8	89.8	50 - 150	
Spiroxamine	0.000	0.795	0.860	0.800	7.9	< 30	99.4	107.5	50 - 150	
Tebuconazol	0.034	0.768	0.842	0.800	9.2	< 30	91.8	101.0	50 - 150	
Thiacloprid	0.000	0.392	0.426	0.400	8.3	< 30	98.0	106.5	50 - 150	
Thiamethoxam	0.000	0.365	0.422	0.400	14.5	< 30	91.3	105.5	50 - 150	
Trifloxystrobin	0.023	0.461	0.512	0.400	7.5	< 30	109.6	122.4	50 - 150	

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1905386**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBDV	0.206		0.2	%	103	85 - 115	Acceptable	
CBD-A	0.199		0.2	%	99.5	85 - 115	Acceptable	
CBG-A	0.192		0.2	%	96.0	85 - 115	Acceptable	
CBG	0.207		0.2	%	104	85 - 115	Acceptable	
CBD	0.212		0.2	%	106	85 - 115	Acceptable	
THCV	0.196		0.2	%	98.0	85 - 115	Acceptable	
THCVA	0.191		0.2	%	95.5	85 - 115	Acceptable	
CBN	0.199		0.2	%	99.5	85 - 115	Acceptable	
THC	0.193		0.2	%	96.5	85 - 115	Acceptable	
D8THC	0.190		0.2	%	95.0	85 - 115	Acceptable	
CBL	0.188		0.2	%	94.0	85 - 115	Acceptable	
CBC	0.204		0.2	%	102	85 - 115	Acceptable	
THCA	0.196		0.2	%	98.0	85 - 115	Acceptable	
CBCA	0.186		0.2	%	93.0	85 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	ND		0.1	%		< 0.1	Acceptable	
CBDV	ND		0.1	%		< 0.1	Acceptable	
CBD-A	ND		0.1	%		< 0.1	Acceptable	
CBG-A	ND		0.1	%		< 0.1	Acceptable	
CBG	ND		0.1	%		< 0.1	Acceptable	
CBD	ND		0.1	%		< 0.1	Acceptable	
THCV	ND		0.1	%		< 0.1	Acceptable	
THCVA	ND		0.1	%		< 0.1	Acceptable	
CBN	ND		0.1	%		< 0.1	Acceptable	
THC	ND		0.1	%		< 0.1	Acceptable	
D8THC	ND		0.1	%		< 0.1	Acceptable	
CBL	ND		0.1	%		< 0.1	Acceptable	
CBC	ND		0.1	%		< 0.1	Acceptable	
THCA	ND		0.1	%		< 0.1	Acceptable	
CBCA	ND		0.1	%		< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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

J AOAC 2015 V98-6 — **Batch ID: 1905386**

Sample Duplicate — Sample ID: **19-006785-0005**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBDV	0.583	0.59	0.1	%	1.19	< 20	Acceptable	
CBD-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG	0.769	0.777	0.1	%	1.03	< 20	Acceptable	
CBD	36.2	36.8	0.1	%	1.64	< 20	Acceptable	
THCV	ND	ND	0.1	%	0	< 20	Acceptable	
THCVA	ND	ND	0.1	%	0	< 20	Acceptable	
CBN	ND	0.0961	0.1	%	3.98	< 20	Acceptable	
THC	1.43	1.45	0.1	%	1.39	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	0.204	0.194	0.1	%	5.03	< 20	Acceptable	
CBC	ND	ND	0.1	%	0	< 20	Acceptable	
THCA	ND	ND	0.1	%	0	< 20	Acceptable	
CBCA	ND	ND	0.1	%	0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-006793
Report Number:	19-006793-00
Report Date:	06/20/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	06/13/19 07:23

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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.

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

Certificate of Quality Assurance

PRODUCT NAME: 1oz Salve
PRODUCT STRENGTH: 500 mg
LOT NUMBER: B1OZ500-T180
OIL BATCH NUMBER: CONO19-34
DATE OF MANUFACTURE: 4/3/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 4/3/2019 and 7/26/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: MCT, Beeswax, Lavender Essential Oil, Eucalyptus Essential Oil

beam

Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

Cannabinoid Potency of Raw Hemp Oil

Cannabinoid	Weight %
CBD	87.83
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	0.33

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results*

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

Certificate of Quality Assurance

PRODUCT NAME: 1oz Salve
PRODUCT STRENGTH: 500 mg
LOT NUMBER: B1OZ500-T180
OIL BATCH NUMBER: CONO19-34
DATE OF MANUFACTURE: 4/3/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 4/3/2019 and 7/26/2019
ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil
INACTIVE INGREDIENTS: MCT, Beeswax, Lavender Essential Oil, Eucalyptus Essential Oil

Heavy Metals*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

Analysis Results for Finished Product

Attribute	Acceptance Criteria	Result
Appearance	White to Light Yellow Solid at Room Temperature	Conforms
Aroma	Characteristic Lavender and Eucalyptus Aroma	Conforms
Cannabidiol Content	95 to 110% of Label Claim	Conforms
THC Content	None Detected	Conforms

* Results based on testing of multiple batches of hemp oil raw material.

Quality Certified by: 8-1-19

Matthew Plenert, Ph.D — Date
Head Chemist and Laboratory Manager

QC Unit released by: 8-1-19

David Boaz — Date
QC Manager

PIXIS Labs
A Tentamus Company

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

Job Number:	19-009087
Report Number:	19-009087-00
Report Date:	08/07/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	07/31/19 09:45

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

Product identity:	B1OZ500-T180	**Client/Metrc ID:**	.
Laboratory ID:	19-009087-0001	**Sample Date:**	

Summary

Potency:

Analyte per 28.35g	Result	Limits	Units	LOQ
CBD per 28.35g	451		mg/28.35g	0.94
CBDV per 28.35g†	4.08		mg/28.35g	0.94

CBD-Total per 28.35g	451 mg/28.35g
THC-Total per 28.35g	< 1.775 mg/28.3

(Reported in milligrams per serving)

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Testing in accordance with: OAR 333-007-0430

PIXIS Labs
A Tentamus Company

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

Job Number:	19-009087
Report Number:	19-009087-00
Report Date:	08/07/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	07/31/19 09:45

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

Customer: Beam Organics

Product identity: B1OZ500-T180
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-009087-0001
Relinquished by: Received By Mail
Temp: 22.6 °C
Serving Size #1: 28.35 g

Sample Results

Potency per 28.35g — Batch: 1906977

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBC-A per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBC-Total per 28.35g†	< LOQ		mg/28.35g	1.77	08/06/19	J AOAC 2015 V98-6	
CBD per 28.35g	451		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBD-A per 28.35g	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBD-Total per 28.35g	451		mg/28.35g	1.77	08/06/19	J AOAC 2015 V98-6	
CBDV per 28.35g†	4.08		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBDV-A per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBDV-Total per 28.35g†	4.08		mg/28.35g	1.76	08/06/19	J AOAC 2015 V98-6	
CBG per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBG-A per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBG-Total per 28.35g†	< LOQ		mg/28.35g	1.77	08/06/19	J AOAC 2015 V98-6	
CBL per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
CBN per 28.35g	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
Δ8-THC per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
Δ9-THC per 28.35g	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
THC-A per 28.35g	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
THC-Total per 28.35g	< LOQ		mg/28.35g	1.77	08/06/19	J AOAC 2015 V98-6	
THCV per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
THCV-A per 28.35g†	< LOQ		mg/28.35g	0.945	08/06/19	J AOAC 2015 V98-6	
THCV-Total per 28.35g†	< LOQ		mg/28.35g	1.76	08/06/19	J AOAC 2015 V98-6	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-009087
Report Number: 19-009087-00
Report Date: 08/07/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/31/19 09:45

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

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1906870	08/03/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1906870	08/03/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/g	10	1906866	08/03/19	AOAC 2014.05 (RAPID)	X
Yeast	< LOQ		cfu/g	10	1906866	08/03/19	AOAC 2014.05 (RAPID)	X

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1906942 **Analyze** 08/02/19 08:28 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							

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-009087
Report Number:	19-009087-00
Report Date:	08/07/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	07/31/19 09:45

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

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0478	1907037	08/05/19	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0478	1907037	08/05/19	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0478	1907037	08/05/19	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0239	1907037	08/05/19	AOAC 2013.06 (mod.)	X

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

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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

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

mg/28.35g = Milligram per 28.35g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

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Portland, OR 97230
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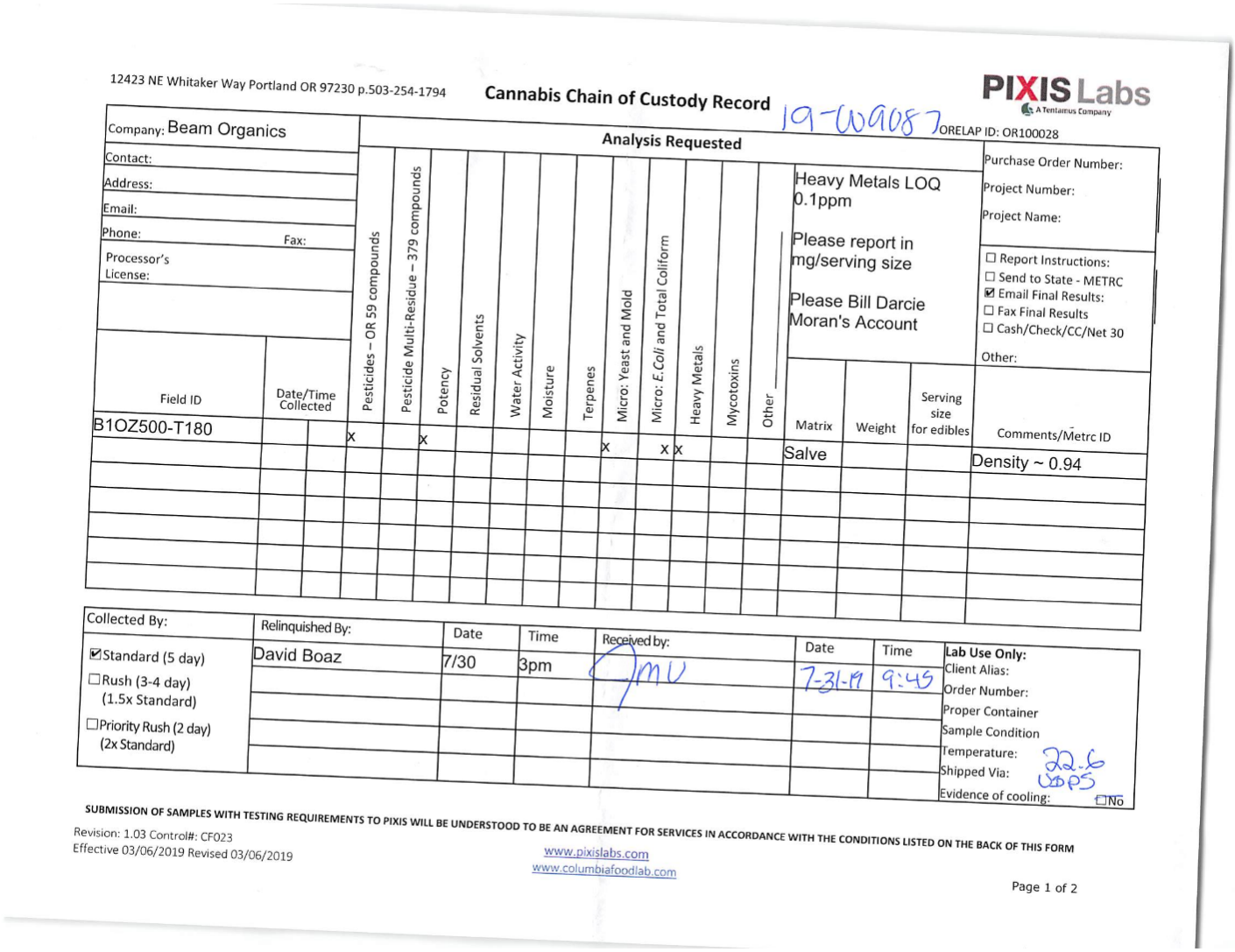

12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record 19-009087

PIXIS Labs — A Tentamus Company — ORELAP ID: OR100028

Company: Beam Organics
Contact:
Address:
Email:
Phone: Fax:
Processor's License:

Analysis Requested

Heavy Metals LOQ 0.1ppm

Please report in mg/serving size

Please Bill Darcie Moran's Account

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
B1OZ500-T180		x	x						x	x x				Salve			Density ~ 0.94

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑Standard (5 day) ☐Rush (3-4 day) (1.5x Standard) ☐Priority Rush (2 day) (2x Standard)	David Boaz	7/30	3pm	JMV	7-31-19	9:45

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 22.6
Shipped Via: USPS
Evidence of cooling: ☐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: 1.03 Control#: CF023
Effective 03/06/2019 Revised 03/06/2019

www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 2

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PIXIS Labs
A Tentamus Company

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

Job Number:	19-009087
Report Number:	19-009087-00
Report Date:	08/07/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	07/31/19 09:45

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: 19-009087 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 7-31-19 Time: 9:45

Received By (Initials): JV

1) Were custody seals on outside of the package/cooler? YES NO (NA)
If YES, how many and where? _____
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): 1Z 88F 086 15 4148 4526

6) Was packing material used? (YES) NO NA

Peanuts (Bubble Wrap) Foam Paper Other:

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

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) 2.2 °C

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

Explain any discrepancies: _____

Page 2 of 2

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-009087
Report Number: 19-009087-00
Report Date: 08/07/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/31/19 09:45

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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: 1906942	
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		0.970	1.000	97.0	70 - 130	
Acequinocyl	ND	< 1.000		3.680	4.000	92.0	70 - 130	
Acetamiprid	ND	< 0.100		0.412	0.400	103.0	70 - 130	
Aldicarb	ND	< 0.200		0.822	0.800	102.8	70 - 130	
Abamectin	ND	< 0.288		0.849	1.000	84.9	70 - 130	
Azoxystrobin	ND	< 0.100		0.397	0.400	99.3	70 - 130	
Bifenazate	ND	< 0.100		0.401	0.400	100.3	70 - 130	
Bifenthrin	ND	< 0.100		0.387	0.400	96.8	70 - 130	
Boscalid	ND	< 0.100		0.916	0.800	114.5	70 - 130	
Carbaryl	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Carbofuran	ND	< 0.100		0.410	0.400	102.5	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Chlorfenapyr	ND	< 1.000		2.030	2.000	101.5	70 - 130	
Chlorpyrifos	ND	< 0.100		0.397	0.400	99.3	70 - 130	
Clofentezine	ND	< 0.100		0.233	0.400	***58.3***	70 - 130	Q6
Cyfluthrin	ND	< 1.000		2.020	2.000	101.0	30 - 150	
Cypermethrin	ND	< 1.000		2.000	2.000	100.0	70 - 130	
Daminozide	ND	< 1.000		0.761	2.000	38.1	30 - 150	
Diazinon	ND	< 0.100		0.370	0.400	92.5	70 - 130	
Dichlorvos	ND	< 0.500		1.960	2.000	98.0	70 - 130	
Dimethoat	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Ethoprophos	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Etofenprox	ND	< 0.100		0.806	0.800	100.8	70 - 130	
Etoxazol	ND	< 0.100		0.526	0.400	***131.5***	70 - 130	Q1
Fenoxycarb	ND	< 0.100		0.385	0.400	96.3	70 - 130	
Fenpyroximat	ND	< 0.100		0.788	0.800	98.5	70 - 130	
Fipronil	ND	< 0.100		0.789	0.800	98.6	70 - 130	
Flonicamid	ND	< 0.400		0.974	1.000	97.4	70 - 130	
Fludioxonil	ND	< 0.100		0.827	0.800	103.4	70 - 130	
Hexythiazox	ND	< 0.400		0.968	1.000	96.8	70 - 130	
Imazalil	ND	< 0.100		0.403	0.400	100.8	70 - 130	
Imidacloprid	ND	< 0.200		0.799	0.800	99.9	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.758	0.800	94.8	70 - 130	
Malathion	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Metalaxyl	ND	< 0.100		0.381	0.400	95.3	70 - 130	
Methiocarb	ND	< 0.100		0.389	0.400	97.3	70 - 130	
Methomyl	ND	< 0.200		0.770	0.800	96.3	70 - 130	
MGK 264	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Myclobutanil	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Naled	ND	< 0.200		0.933	1.000	93.3	70 - 130	
Oxamyl	ND	< 0.400		1.900	2.000	95.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.821	0.800	102.6	70 - 130	
Parathion Methyl	ND	< 0.200		0.685	0.800	85.6	30 - 150	
Permethrin	ND	< 0.100		0.368	0.400	92.0	70 - 130	
Phosmet	ND	< 0.100		0.412	0.400	103.0	70 - 130	
Piperonyl butoxide	ND	< 1.000		1.960	2.000	98.0	70 - 130	
Prallethrin	ND	< 0.200		0.803	0.800	100.4	70 - 130	
Propiconazole	ND	< 0.200		0.786	0.800	98.3	70 - 130	
Propoxur	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Pyrethrins	ND	< 0.500		0.308	0.284	108.5	70 - 130	
Pyridaben	ND	< 0.100		0.411	0.400	102.8	70 - 130	
Spinosad	ND	< 0.100		0.412	0.388	106.2	70 - 130	
Spiromesifen	ND	< 0.100		0.384	0.400	96.0	70 - 130	
Spirotetramat	ND	< 0.100		0.356	0.400	89.0	70 - 130	
Spiroxamine	ND	< 0.100		0.778	0.800	97.3	70 - 130	
Tebuconazol	ND	< 0.200		0.740	0.800	92.5	70 - 130	
Thiacloprid	ND	< 0.100		0.394	0.400	98.5	70 - 130	
Thiamethoxam	ND	< 0.100		0.379	0.400	94.8	70 - 130	
Trifloxystrobin	ND	< 0.100		0.400	0.400	100.0	70 - 130	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-009087
Report Number: 19-009087-00
Report Date: 08/07/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/31/19 09:45

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: 1906942

Matrix Spike/Matrix Spike Duplicate Recoveries | Sample ID: 19-009030-0002

Analyte	Result	MS Res	MSD Res	Spike	RPD%		MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.969	0.970	1.000	0.1	< 30	96.9	97.0	50 - 150	
Acequinocyl	0.000	3.790	3.490	4.000	8.2	< 30	94.8	87.3	50 - 150	
Acetamiprid	0.000	0.396	0.381	0.400	3.9	< 30	99.0	95.3	50 - 150	
Aldicarb	0.000	0.772	0.724	0.800	6.4	< 30	96.5	90.5	50 - 150	
Abamectin	0.000	0.956	0.939	1.000	1.8	< 30	95.6	93.9	50 - 150	
Azoxystrobin	0.000	0.372	0.337	0.400	9.9	< 30	93.0	84.3	50 - 150	
Bifenazate	0.000	0.394	0.393	0.400	0.3	< 30	98.5	98.3	50 - 150	
Bifenthrin	0.010	0.402	0.387	0.400	3.8	< 30	97.9	94.2	50 - 150	
Boscalid	0.000	0.902	0.857	0.800	5.1	< 30	112.8	107.1	50 - 150	
Carbaryl	0.004	0.433	0.419	0.400	3.3	< 30	107.2	103.7	50 - 150	
Carbofuran	0.000	0.444	0.422	0.400	5.1	< 30	111.0	105.5	50 - 150	
Chlorantraniliprol	0.000	0.423	0.388	0.400	8.6	< 30	105.8	97.0	50 - 150	
Chlorfenapyr	0.000	1.710	1.670	2.000	2.4	< 30	85.5	83.5	50 - 150	
Chlorpyrifos	0.000	0.428	0.397	0.400	7.5	< 30	107.0	99.3	50 - 150	
Clofentezine	0.000	0.284	0.257	0.400	10.0	< 30	71.0	64.3	50 - 150	
Cyfluthrin	0.000	2.070	1.660	2.000	22.0	< 30	103.5	83.0	30 - 150	
Cypermethrin	0.000	1.850	1.780	2.000	3.9	< 30	92.5	89.0	50 - 150	
Daminozide	0.000	0.863	0.801	2.000	7.5	< 30	43.2	40.1	30 - 150	
Diazinon	0.000	0.383	0.340	0.400	11.9	< 30	95.8	85.0	50 - 150	
Dichlorvos	0.000	2.200	2.000	2.000	9.5	< 30	110.0	100.0	50 - 150	
Dimethoat	0.000	0.394	0.380	0.400	3.6	< 30	98.5	95.0	50 - 150	
Ethoprophos	0.000	0.402	0.381	0.400	5.4	< 30	100.5	95.3	50 - 150	
Etofenprox	0.000	0.747	0.698	0.800	6.8	< 30	93.4	87.3	50 - 150	
Etoxazol	0.000	0.433	0.407	0.400	6.2	< 30	108.3	101.8	50 - 150	
Fenoxycarb	0.000	0.375	0.352	0.400	6.3	< 30	93.8	88.0	50 - 150	
Fenpyroximat	0.000	0.742	0.686	0.800	7.8	< 30	92.8	85.8	50 - 150	
Fipronil	0.054	0.682	0.616	0.800	10.2	< 30	78.6	70.3	50 - 150	
Flonicamid	0.000	0.979	0.914	1.000	6.9	< 30	97.9	91.4	50 - 150	
Fludioxonil	0.000	0.827	0.718	0.800	14.1	< 30	103.4	89.8	50 - 150	
Hexythiazox	0.000	1.230	1.170	1.000	5.0	< 30	123.0	117.0	50 - 150	
Imazalil	0.000	0.417	0.407	0.400	2.4	< 30	104.3	101.8	50 - 150	
Imidacloprid	0.000	0.728	0.705	0.800	3.2	< 30	91.0	88.1	50 - 150	
Kresoxim-Methyl	0.000	0.774	0.766	0.800	1.0	< 30	96.8	95.8	50 - 150	
Malathion	0.000	0.429	0.399	0.400	7.2	< 30	107.3	99.8	50 - 150	
Metalaxyl	0.000	0.381	0.367	0.400	3.7	< 30	95.3	91.8	50 - 150	
Methiocarb	0.000	0.374	0.361	0.400	3.5	< 30	93.5	90.3	50 - 150	
Methomyl	0.000	0.744	0.680	0.800	9.0	< 30	93.0	85.0	50 - 150	
MGK 264	0.000	0.389	0.363	0.400	6.9	< 30	97.3	90.8	50 - 150	
Myclobutanil	0.000	0.403	0.372	0.400	8.0	< 30	100.8	93.0	50 - 150	
Naled	0.000	0.967	0.873	1.000	10.2	< 30	96.7	87.3	50 - 150	
Oxamyl	0.000	1.840	1.790	2.000	2.8	< 30	92.0	89.5	50 - 150	
Paclobutrazol	0.000	0.808	0.772	0.800	4.6	< 30	101.0	96.5	50 - 150	
Parathion Methyl	0.043	1.000	0.788	0.800	23.7	< 30	119.6	93.1	30 - 150	
Permethrin	0.001	0.358	0.340	0.400	5.2	< 30	89.3	84.8	50 - 150	
Phosmet	0.000	0.445	0.405	0.400	9.4	< 30	111.3	101.3	50 - 150	
Piperonyl butoxide	0.000	1.910	1.800	2.000	5.9	< 30	95.5	90.0	50 - 150	
Prallethrin	0.000	0.986	0.945	0.800	4.2	< 30	123.3	118.1	50 - 150	
Propiconazole	0.000	0.807	0.762	0.800	5.7	< 30	100.9	95.3	50 - 150	
Propoxur	0.007	0.440	0.395	0.400	10.8	< 30	108.3	97.0	50 - 150	
Pyrethrins	0.000	0.276	0.251	0.284	9.5	< 30	97.2	88.4	50 - 150	
Pyridaben	0.000	0.359	0.332	0.400	7.8	< 30	89.8	83.0	50 - 150	
Spinosad	0.000	0.417	0.401	0.388	3.9	< 30	107.5	103.4	50 - 150	
Spiromesifen	0.000	0.777	0.732	0.400	6.0	< 30	***194.3***	***183.0***	50 - 150	Q1
Spirotetramat	0.000	0.340	0.314	0.400	8.0	< 30	84.9	78.4	50 - 150	
Spiroxamine	0.000	0.774	0.749	0.800	3.3	< 30	96.8	93.6	50 - 150	
Tebuconazol	0.006	0.808	0.717	0.800	11.9	< 30	100.2	88.9	50 - 150	
Thiacloprid	0.000	0.369	0.350	0.400	5.3	< 30	92.3	87.5	50 - 150	
Thiamethoxam	0.000	0.382	0.337	0.400	12.5	< 30	95.5	84.3	50 - 150	
Trifloxystrobin	0.000	0.360	0.344	0.400	3.0	< 30	90.0	86.0	50 - 150	

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-009087
Report Number: 19-009087-00
Report Date: 08/07/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/31/19 09:45

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

Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 1906977

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00985		0.01	%	98.5	85 - 115	Acceptable	
CBDV	0.0103		0.01	%	103	85 - 115	Acceptable	
CBD-A	0.00974		0.01	%	97.4	85 - 115	Acceptable	
CBG-A	0.00971		0.01	%	97.1	85 - 115	Acceptable	
CBG	0.0106		0.01	%	106	85 - 115	Acceptable	
CBD	0.0109		0.01	%	109	85 - 115	Acceptable	
THCV	0.0101		0.01	%	101	85 - 115	Acceptable	
THCVA	0.00965		0.01	%	96.5	85 - 115	Acceptable	
CBN	0.0110		0.01	%	110	85 - 115	Acceptable	
THC	0.0107		0.01	%	107	85 - 115	Acceptable	
D8THC	0.00984		0.01	%	98.4	85 - 115	Acceptable	
CBL	0.00953		0.01	%	95.3	85 - 115	Acceptable	
CBC	0.0104		0.01	%	104	85 - 115	Acceptable	
THCA	0.0104		0.01	%	104	85 - 115	Acceptable	
CBCA	0.00927		0.01	%	92.7	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

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

PIXIS Labs
A Tentamus Company

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

Job Number: 19-009087
Report Number: 19-009087-00
Report Date: 08/07/2019
ORELAP#: OR100028
Purchase Order:
Received: 07/31/19 09:45

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

JAOAC2015 V98-6					Batch ID: 1906977			
Sample Duplicate					Sample ID: 19-009082-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	ND	ND	0.003	%	0	< 20	Acceptable	
CBD-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG	0.00544	0.00544	0.003	%	0	< 20	Acceptable	
CBD	ND	ND	0.003	%	0	< 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	0.187	0.187	0.003	%	0	< 20	Acceptable	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	0.00455	0.00456	0.003	%	0.220	< 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

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

PIXIS Labs
A Tentamus Company

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

Job Number:	19-009087
Report Number:	19-009087-00
Report Date:	08/07/2019
ORELAP#:	OR100028
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Received:	07/31/19 09:45

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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.

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