PIXIS Labs
A Tentamus Company

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

Report Number: 20-000048/D02.R00
Report Date: 01/08/2020
ORELAP#: OR100028
Purchase Order:
Received: 01/03/20 08:20

Customer: Healthy Roots
Product identity: #44 Cucumber Melon Lotion
Client/Metrc ID: .
Laboratory ID: 20-000048-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status
CBC†	0.0182		%	
CBD	0.286		%	
CBD-A	0.0234		%	
Δ9-THC	0.00833		%	

Analyte per 65g	Result	Limits	Units	Status
CBC per 65g†	11.8		mg/65g	
CBD per 65g	186		mg/65g	
CBD-A per 65g	15.2		mg/65g	
Δ9-THC per 65g	5.41		mg/65g	

CBD-Total per 65g	199 mg/65g
THC-Total per 65g	5.41 mg/65g

(Reported in milligrams per serving)

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Received: 01/03/20 08:20

Customer: Healthy Roots

Product identity: #44 Cucumber Melon Lotion
Client/Metrc ID: .
Sample Date:
Laboratory ID: 20-000048-0001
Relinquished by: Liz Merritt
Temp: 11.3 °C
Serving Size #1: 65 g

Sample Results

Potency — Batch: 2000156

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	0.0182		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBC-Total†	0.0196		%	0.0060	01/08/20	J AOAC 2015 V98-6	
CBD	0.286		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBD-A	0.0234		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBD-Total	0.307		%	0.0060	01/08/20	J AOAC 2015 V98-6	
CBDV†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBDV-Total†	< LOQ		%	0.0060	01/08/20	J AOAC 2015 V98-6	
CBG†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBG-Total†	< LOQ		%	0.0060	01/08/20	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
Δ9-THC	0.00833		%	0.0032	01/06/20	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
THC-Total	0.00833		%	0.0060	01/08/20	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0032	01/06/20	J AOAC 2015 V98-6	
THCV-Total†	< LOQ		%	0.0060	01/08/20	J AOAC 2015 V98-6	

Potency per 65g — Batch: 2000156

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 65g†	11.8		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
CBC-A per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
CBC-Total per 65g†	12.8		mg/65g	4.07	01/08/20	J AOAC 2015 V98-6	
CBD per 65g	186		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
CBD-A per 65g	15.2		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
CBD-Total per 65g	199		mg/65g	4.07	01/08/20	J AOAC 2015 V98-6	
CBDV per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	

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Received:	01/03/20 08:20

Potency per 65g — Batch: 2000156

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBDV-A per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
CBDV-Total per 65g†	< LOQ		mg/65g	4.04	01/08/20	J AOAC 2015 V98-6	
CBG per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
CBG-A per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
CBG-Total per 65g†	< LOQ		mg/65g	4.07	01/08/20	J AOAC 2015 V98-6	
CBL per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
CBN per 65g	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
Δ8-THC per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
Δ9-THC per 65g	5.41		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
THC-A per 65g	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
THC-Total per 65g	5.41		mg/65g	4.07	01/08/20	J AOAC 2015 V98-6	
THCV per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
THCV-A per 65g†	< LOQ		mg/65g	2.17	01/08/20	J AOAC 2015 V98-6	
THCV-Total per 65g†	< LOQ		mg/65g	4.04	01/08/20	J AOAC 2015 V98-6	

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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

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

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

† = Analyte not NELAP accredited.

Units of Measure

g = Gram

mg/65g = Milligram per 65g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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Received:	01/03/20 08:20

12423 NE Whitaker Way, Portland OR 97230 p.503-254-1794 **Cannabis Chain of Custody Record**

HEALTHYROOTS 20-000048

Healthy Roots

PIXIS Labs
A Tentamus Company

D: OR100028

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:

CHAIN OF CUSTODY

Company: Healthy Roots
Contact: Liz Merritt
Address: 14325 NE Airport Way, #113
Portland, OR 97230
Email: Healthyrootshemp@gmail.com
Phone: 503-496-2329
License: AG-L 1052211FP

Fax:

Report in mg/gr and % (percentage)

	Client Sample Identification	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	Sample Type	Weight	Serving size for edibles	D
1	#44 Cucumber melon lotion				✓												65gr	
2	#22 Berry Tincture				✓												28.5gr	
3	#23 Berry Tinc				✓												15gr	
4	#06 Peppermint				✓												28.5gr	
5	#05 Peppermint				✓												14gr	

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
Turnaround time: Ask for availability ☐Standard (5 day) ☐Rush (3-4 day) (1.5x Standard) ☐Priority Rush (2 day) (2x Standard)	LZ Merritt	1/3/20	8:20		1/3/20	8:20

Lab Use Only:
Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 11.3°C
Shipped Via:
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: 3.00 Controll#: CF023 www.pixislabs.com
Effective 05/22/2019 Revised 05/22/2019 www.columbiafoodlab.com

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1/3/20

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Received: 01/03/20 08:20

Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2000156**

Laboratory Control Sample

Analyte	Result		Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00991		0.01	%	99.1	85.0 - 115	Acceptable	
CBDV	0.0101		0.01	%	101	85.0 - 115	Acceptable	
CBD-A	0.00986		0.01	%	98.6	85.0 - 115	Acceptable	
CBG-A	0.0104		0.01	%	104	85.0 - 115	Acceptable	
CBG	0.0103		0.01	%	103	85.0 - 115	Acceptable	
CBD	0.00999		0.01	%	99.9	85.0 - 115	Acceptable	
THCV	0.0103		0.01	%	103	85.0 - 115	Acceptable	
THCVA	0.0101		0.01	%	101	85.0 - 115	Acceptable	
CBN	0.00999		0.01	%	99.9	85.0 - 115	Acceptable	
THC	0.00974		0.01	%	97.4	85.0 - 115	Acceptable	
D8THC	0.0102		0.01	%	102	85.0 - 115	Acceptable	
CBL	0.00994		0.01	%	99.4	85.0 - 115	Acceptable	
CBC	0.0103		0.01	%	103	85.0 - 115	Acceptable	
THCA	0.00949		0.01	%	94.9	85.0 - 115	Acceptable	
CBCA	0.0100		0.01	%	100	85.0 - 115	Acceptable	

Method Blank

Analyte	Result		LOQ	Units		Limits	Evaluation	Notes
CBDV-A	<LOQ		0.003	%		< 0.003	Acceptable	
CBDV	<LOQ		0.003	%		< 0.003	Acceptable	
CBD-A	<LOQ		0.003	%		< 0.003	Acceptable	
CBG-A	<LOQ		0.003	%		< 0.003	Acceptable	
CBG	<LOQ		0.003	%		< 0.003	Acceptable	
CBD	<LOQ		0.003	%		< 0.003	Acceptable	
THCV	<LOQ		0.003	%		< 0.003	Acceptable	
THCVA	<LOQ		0.003	%		< 0.003	Acceptable	
CBN	<LOQ		0.003	%		< 0.003	Acceptable	
THC	<LOQ		0.003	%		< 0.003	Acceptable	
D8THC	<LOQ		0.003	%		< 0.003	Acceptable	
CBL	<LOQ		0.003	%		< 0.003	Acceptable	
CBC	<LOQ		0.003	%		< 0.003	Acceptable	
THCA	<LOQ		0.003	%		< 0.003	Acceptable	
CBCA	<LOQ		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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Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2000156**

Sample Duplicate Sample ID: **20-000003-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	**0.0447**	**0.0448**	0.003	%	0.105	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	**0.147**	**0.147**	0.003	%	0.102	< 20	Acceptable	
CBD	**4.82**	**4.93**	0.003	%	2.34	< 20	Acceptable	
THCV	**0.00898**	**0.00822**	0.003	%	8.93	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	**0.00467**	**0.00481**	0.003	%	2.78	< 20	Acceptable	
THC	**0.181**	**0.183**	0.003	%	1.05	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	**0.0192**	**0.0193**	0.003	%	0.245	< 20	Acceptable	
CBC	**0.301**	**0.302**	0.003	%	0.125	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
NA - Calculation Not Applicable given non-numerical results

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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