



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



**Report Number:** 20-010895/D03.R00  
**Report Date:** 10/14/2020  
**ORELAP#:** OR100028  
**Purchase Order:** testCode  
**Received:** 10/07/20 15:49

**Customer:** Healthy Roots  
**Product identity:** #105, 1000 Berry v2  
**Client/Metric ID:** .  
**Laboratory ID:** 20-010895-0001

## Summary

### Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 28.5g	1000 mg/28.5g
CBC	0.143		%			
CBC-A†	0.0628		%			
CBD	2.96		%		THC-Total per 28.5g	10.8 mg/28.5g
CBD-A	0.642		%		(Reported in milligrams per serving)	
CBDV†	0.0278		%			
CBDV-A†	0.0204		%			
CBG†	0.0158		%			
CBG-A†	0.0114		%			
Δ9-THC	0.0378		%			
Analyte per 28.5g	Result	Limits	Units	Status		
CBC per 28.5g	40.8		mg/28.5g			
CBC-A per 28.5g	17.9		mg/28.5g			
CBD per 28.5g	844		mg/28.5g			
CBD-A per 28.5g	183		mg/28.5g			
CBDV per 28.5g	7.92		mg/28.5g			
CBDV-A per 28.5g	5.81		mg/28.5g			
CBG per 28.5g	4.50		mg/28.5g			
CBG-A per 28.5g	3.25		mg/28.5g			
Δ9-THC per 28.5g	10.8		mg/28.5g			



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**Customer:** Healthy Roots

**Product identity:** #105, 1000 Berry v2  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 20-010895-0001  
**Relinquished by:** Client  
**Temp:** 21.1 °C  
**Serving Size #1:** 28.5 g

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Batch: 2008429	Analyze: 10/13/20 3:51:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.143		%	0.0032	
CBC-A†	0.0628		%	0.0032	
CBC-Total†	0.198		%	0.0060	
CBD	2.96		%	0.0319	
CBD-A	0.642		%	0.0032	
CBD-Total	3.52		%	0.0347	
CBDV†	0.0278		%	0.0032	
CBDV-A†	0.0204		%	0.0032	
CBDV-Total†	0.0455		%	0.0060	
CBG†	0.0158		%	0.0032	
CBG-A†	0.0114		%	0.0032	
CBG-Total	0.0258		%	0.0060	
CBL†	< LOQ		%	0.0032	
CBN	< LOQ		%	0.0032	
Δ8-THC†	< LOQ		%	0.0032	
Δ9-THC	0.0378		%	0.0032	
THC-A	< LOQ		%	0.0032	
THC-Total	0.0378		%	0.0060	
THCV†	< LOQ		%	0.0032	
THCV-A†	< LOQ		%	0.0032	
THCV-Total†	< LOQ		%	0.0060	
Total Cannabinoids†	3.92		%		

Potency per 28.5g	Method J AOAC 2015 V98-6 (mod)	Batch: 2008429	Analyze: 10/13/20 3:51:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 28.5g	40.8		mg/28.5g	0.910	
CBC-A per 28.5g	17.9		mg/28.5g	0.910	
CBC-Total per 28.5g	56.5		mg/28.5g	1.71	
CBD per 28.5g	844		mg/28.5g	9.10	
CBD-A per 28.5g	183		mg/28.5g	0.910	
CBD-Total per 28.5g	1000		mg/28.5g	9.90	
CBDV per 28.5g	7.92		mg/28.5g	0.910	
CBDV-A per 28.5g	5.81		mg/28.5g	0.910	

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0430



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Potency per 28.5g					
Method J AOAC 2015 V98-6 (mod) Batch: 2008429 Analyze: 10/13/20 3:51:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 28.5g	13.0		mg/28.5g	1.70	
CBG per 28.5g	4.50		mg/28.5g	0.910	
CBG-A per 28.5g	3.25		mg/28.5g	0.910	
CBG-Total per 28.5g	7.32		mg/28.5g	1.70	
CBL per 28.5g	< LOQ		mg/28.5g	0.910	
CBN per 28.5g	< LOQ		mg/28.5g	0.910	
$\Delta$ 8-THC per 28.5g	< LOQ		mg/28.5g	0.910	
$\Delta$ 9-THC per 28.5g	10.8		mg/28.5g	0.910	
THC-A per 28.5g	< LOQ		mg/28.5g	0.910	
THC-Total per 28.5g	10.8		mg/28.5g	1.71	
THCV per 28.5g	< LOQ		mg/28.5g	0.910	
THCV-A per 28.5g	< LOQ		mg/28.5g	0.910	
THCV-Total per 28.5g	< LOQ		mg/28.5g	1.71	
<b>Total Cannabinoids 28.5g<sup>†</sup></b>	<b>1120</b>		mg/28.5g		



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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/28.5g = Milligram per 28.5g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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20-010895



1: Healthy Roots

Portland OR 97230 p.503-254-1794

### Cannabis Chain of Custody Record

ORELAP ID: OR100028

Analysis Requested		Purchase Order Number:	
		Project Number:	
		Project Name:	
		<input type="checkbox"/> Report Instructions:	
		<input type="checkbox"/> Send to State - METRC	
		<input type="checkbox"/> Email Final Results:	
		<input type="checkbox"/> Fax Final Results	
		<input type="checkbox"/> Cash/Check/CC/Net 30	
		Other:	
Sample Type	Weight	Serving size for edibles	Report in mg/gr and % (percentage)

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
Turnaround time: Ask for availability <input type="checkbox"/> Standard (5 day) <input type="checkbox"/> Rush (3-4 day) (1.5x Standard) <input type="checkbox"/> Priority Rush (2 day) (2x Standard)				<i>[Signature]</i>	10-7	15:49	Client Alias: Order Number: Proper Container Sample Condition Temperature: Shipped Via: Evidence of cooling: <input type="checkbox"/> 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 Control#: CF023

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Effective 05/22/2019 Revised 05/22/2019

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20-010895

PIXIS Labs  
A Tentamus Company

ORELAP ID: OR100028

1: Healthy Roots

Portland OR 97230 p.503-254-1794

### Cannabis Chain of Custody Record

Analysis Requested		Purchase Order Number:	
		Project Number:	
		Project Name:	
		<input type="checkbox"/> Report Instructions:	
		<input type="checkbox"/> Send to State - METRC	
		<input type="checkbox"/> Email Final Results:	
		<input type="checkbox"/> Fax Final Results	
		<input type="checkbox"/> Cash/Check/CC/Net 30	
		Other:	
Sample Type	Weight	Serving size for edibles	Report in mg/gr and % (percentage)

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
Turnaround time: Ask for availability <input type="checkbox"/> Standard (5 day) <input type="checkbox"/> Rush (3-4 day) (1.5x Standard) <input type="checkbox"/> Priority Rush (2 day) (2x Standard)	LZ Merritt	10/7	15:49	Jmw	10-7	15:49	Client Alias: Order Number: Proper Container Sample Condition Temperature: Shipped Via: Evidence of cooling: <input type="checkbox"/> 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

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Client provided Relinquished by signature via email 10/14/2020 -PG





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

Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 2008429										
Laboratory Control Sample										
Analyte	Result		Spike	Units	% Rec	Limits			Evaluation	Notes
CBDV-A	0.00956		0.01	%	95.6	85.0 - 115			Acceptable	
CBDV	0.0101		0.01	%	101	85.0 - 115			Acceptable	
CBD-A	0.00999		0.01	%	99.9	85.0 - 115			Acceptable	
CBG-A	0.00921		0.01	%	92.1	85.0 - 115			Acceptable	
CBG	0.00966		0.01	%	96.6	85.0 - 115			Acceptable	
CBD	0.0113		0.01	%	113	85.0 - 115			Acceptable	
THCV	0.00941		0.01	%	94.1	85.0 - 115			Acceptable	
THCVA	0.00910		0.01	%	91.0	85.0 - 115			Acceptable	
CBN	0.0100		0.01	%	100	85.0 - 115			Acceptable	
THC	0.0102		0.01	%	102	85.0 - 115			Acceptable	
D8THC	0.00927		0.01	%	92.7	85.0 - 115			Acceptable	
CBL	0.00874		0.01	%	87.4	85.0 - 115			Acceptable	
CBC	0.00984		0.01	%	98.4	85.0 - 115			Acceptable	
THCA	0.00911		0.01	%	91.1	85.0 - 115			Acceptable	
CBCA	0.00953		0.01	%	95.3	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	0.00190		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

JAOAC2015 V986					Batch ID: 2008429			
Sample Duplicate					Sample ID: 20-010863-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.00877	0.00882	0.003	%	0.579	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.437	0.439	0.003	%	0.398	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 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	Quantitation 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.