



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



Report Number: 20-014216/D04.R00
Report Date: 12/30/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/28/20 14:15

Customer: Healthy Roots
Product identity: #119v2/Roller Bomb
Client/Metric ID: .
Laboratory ID: 20-014216-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 8g	249 mg/8g
CBC	0.0670		%			
CBC-A†	0.125		%			
CBD	1.12		%		THC-Total per 8g	9.33 mg/8g
CBD-A	2.27		%			
CBDV†	0.00848		%			(Reported in milligrams per serving)
CBDV-A†	0.0138		%			
CBG†	0.0492		%			
CBG-A†	0.0940		%			
Δ9-THC	0.0857		%			
THC-A	0.0353		%			
Analyte per 8g	Result	Limits	Units	Status		
CBC per 8g	5.36		mg/8g			
CBC-A per 8g	10.0		mg/8g			
CBD per 8g	89.6		mg/8g			
CBD-A per 8g	182		mg/8g			
CBDV per 8g	0.678		mg/8g			
CBDV-A per 8g	1.10		mg/8g			
CBG per 8g	3.94		mg/8g			
CBG-A per 8g	7.52		mg/8g			
Δ9-THC per 8g	6.86		mg/8g			
THC-A per 8g	2.82		mg/8g			



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



Report Number: 20-014216/D04.R00
Report Date: 12/30/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/28/20 14:15

Customer: Healthy Roots

Product identity: #119v2/Roller Bomb
Client/Metric ID: .
Sample Date:
Laboratory ID: 20-014216-0001
Relinquished by: Client
Temp: 16.9 °C
Serving Size #1: 8 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Batch: 2010843	Analyze: 12/29/20 10:49:00 P		
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0670		%	0.0033	
CBC-A†	0.125		%	0.0033	
CBC-Total†	0.177		%	0.0061	
CBD	1.12		%	0.0326	
CBD-A	2.27		%	0.0326	
CBD-Total	3.11		%	0.0612	
CBDV†	0.00848		%	0.0033	
CBDV-A†	0.0138		%	0.0033	
CBDV-Total†	0.0204		%	0.0061	
CBG†	0.0492		%	0.0033	
CBG-A†	0.0940		%	0.0033	
CBG-Total	0.132		%	0.0061	
CBL†	< LOQ		%	0.0033	
CBN	< LOQ		%	0.0033	
Δ8-THC†	< LOQ		%	0.0033	
Δ9-THC	0.0857		%	0.0033	
THC-A	0.0353		%	0.0033	
THC-Total	0.117		%	0.0061	
THCV†	< LOQ		%	0.0033	
THCV-A†	< LOQ		%	0.0033	
THCV-Total†	< LOQ		%	0.0061	
Total Cannabinoids†	3.87		%		

Potency per 8g	Method J AOAC 2015 V98-6 (mod)	Batch: 2010843	Analyze: 12/29/20 10:49:00 P		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 8g	5.36		mg/8g	0.261	
CBC-A per 8g	10.0		mg/8g	0.261	
CBC-Total per 8g	14.1		mg/8g	0.490	
CBD per 8g	89.6		mg/8g	2.61	
CBD-A per 8g	182		mg/8g	2.61	
CBD-Total per 8g	249		mg/8g	4.90	
CBDV per 8g	0.678		mg/8g	0.261	
CBDV-A per 8g	1.10		mg/8g	0.261	



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



Report Number: 20-014216/D04.R00
Report Date: 12/30/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/28/20 14:15

Potency per 8g					
Method J AOAC 2015 V98-6 (mod) Batch: 2010843 Analyze: 12/29/20 10:49:00 P					
Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 8g	1.64		mg/8g	0.487	
CBG per 8g	3.94		mg/8g	0.261	
CBG-A per 8g	7.52		mg/8g	0.261	
CBG-Total per 8g	10.5		mg/8g	0.487	
CBL per 8g	< LOQ		mg/8g	0.261	
CBN per 8g	< LOQ		mg/8g	0.261	
Δ 8-THC per 8g	< LOQ		mg/8g	0.261	
Δ 9-THC per 8g	6.86		mg/8g	0.261	
THC-A per 8g	2.82		mg/8g	0.261	
THC-Total per 8g	9.33		mg/8g	0.490	
THCV per 8g	< LOQ		mg/8g	0.261	
THCV-A per 8g	< LOQ		mg/8g	0.261	
THCV-Total per 8g	< LOQ		mg/8g	0.490	
Total Cannabinoids 8g[†]	309		mg/8g		



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



Report Number: 20-014216/D04.R00
Report Date: 12/30/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/28/20 14:15

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/8g = Milligram per 8g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 20-014216/D04.R00
Report Date: 12/30/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/28/20 14:15

124
Healthy Roots
LABORATORIES
Our Roots Run Deep

Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

20-014216

PIXIS Labs
A Tentamus Company

ORELAP ID: OR100028

Client Sample Identification		Date/Time Collected	Analysis Requested										Sample Type	Weight	Serving size for edibles	Report in mg/gr and % (percentage)														
Co	Co	Ad	City	Em	Ph	Bill	Pr	Lic	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	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:						
Company: Healthy Roots Contact: Liz Merritt Address: 14325 NE Airport Way, #113 Portland, OR 97230 Email: HealthyRootsShop@gmail.com Phone: 503-496-2329 License: AG-11052211FP																														
CHAIN OF CUSTODY																														
Fax:																														
1 #119V2/Roller bomb											✓														8 gr			Healthy Roots LABORATORIES Our Roots Run Deep		
2 #0A13V3 "This test is at NO COST to us!!"											✓															28.5 gr				Report in mg/gr and % (percentage)
3 ESO 12.14.20 Nick "Please combine this report w/ 20-013768-001"									✓	✓	✓			✓			✓	✓						6 gr - Report on 1 gr potency plz.						
Collected By:		Relinquished By:		Date		Time		Received by:		Date		Time		Lab Use Only: Client Alias: Order Number: Proper Container <input checked="" type="checkbox"/> Sample Condition Temperature: 16.9 Shipped Via: Client Evidence of cooling: <input checked="" type="checkbox"/> No																
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)		Erica Melton		12/28/20				JD		12/28		1415																		

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

www.pixislabs.com
www.columbiabiolab.com

Page 1 of 21 bm



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



Report Number: 20-014216/D04.R00
Report Date: 12/30/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/28/20 14:15

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: 2010843					
Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDV-A	0.0102	0.01	%	102	85.0	- 115	Acceptable		
CBDV	0.0103	0.01	%	103	85.0	- 115	Acceptable		
CBD-A	0.0101	0.01	%	101	85.0	- 115	Acceptable		
CBG-A	0.00999	0.01	%	99.9	85.0	- 115	Acceptable		
CBG	0.0102	0.01	%	102	85.0	- 115	Acceptable		
CBD	0.0101	0.01	%	101	85.0	- 115	Acceptable		
THCV	0.0103	0.01	%	103	85.0	- 115	Acceptable		
THCVA	0.00964	0.01	%	96.4	85.0	- 115	Acceptable		
CBN	0.0106	0.01	%	106	85.0	- 115	Acceptable		
THC	0.0103	0.01	%	103	85.0	- 115	Acceptable		
D8THC	0.0101	0.01	%	101	85.0	- 115	Acceptable		
CBL	0.0105	0.01	%	105	85.0	- 115	Acceptable		
CBC	0.0103	0.01	%	103	85.0	- 115	Acceptable		
THCA	0.0100	0.01	%	100	85.0	- 115	Acceptable		
CBCA	0.00998	0.01	%	99.8	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



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



Report Number: 20-014216/D04.R00
Report Date: 12/30/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/28/20 14:15

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: 2010843				
Sample Duplicate				Sample ID: 20-013913-0001-01				
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0103	0.0104	0.003	%	0.126	< 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	3.50	3.53	0.003	%	0.877	< 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



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



Report Number: 20-014216/D04.R00
Report Date: 12/30/2020
ORELAP#: OR100028
Purchase Order:
Received: 12/28/20 14:15

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.