



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



Report Number: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30

Customer: Healthy Roots
Product identity: 200mg Lemongrass BB
Client/Metric ID: .
Laboratory ID: 21-002795-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.00267		%		CBD-Total per 208g 218 mg/208g
CBD	0.105		%		
CBG [†]	0.000711		%		THC-Total per 208g 9.07 mg/208g
Δ9-THC	0.00436		%		(Reported in milligrams per serving)
Analyte per 208g	Result	Limits	Units	Status	
CBC per 208g [†]	5.55		mg/208g		
CBD per 208g	218		mg/208g		
CBG per 208g [†]	1.48		mg/208g		
Δ9-THC per 208g	9.07		mg/208g		



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

Report Number: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30



Customer: Healthy Roots

Product identity: 200mg Lemongrass BB
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-002795-0001
Evidence of Cooling: No
Temp: 19.9 °C
Serving Size #1: 208 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2102400	Analyze: 3/17/21 8:03:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00267		%	0.0007	
CBC-A [†]	< LOQ		%	0.0007	
CBC-Total [†]	0.00267		%	0.0012	
CBD	0.105		%	0.0007	
CBD-A	< LOQ		%	0.0007	
CBD-Total	0.105		%	0.0012	
CBDV [†]	< LOQ		%	0.0007	
CBDV-A [†]	< LOQ		%	0.0007	
CBDV-Total [†]	< LOQ		%	0.0012	
CBG [†]	0.000711		%	0.0007	
CBG-A [†]	< LOQ		%	0.0007	
CBG-Total	< LOQ		%	0.0012	
CBL [†]	< LOQ		%	0.0007	
CBN	< LOQ		%	0.0007	
Δ8-THC [†]	< LOQ		%	0.0007	
Δ9-THC	0.00436		%	0.0007	
THC-A	< LOQ		%	0.0007	
THC-Total	0.00436		%	0.0012	
THCV [†]	< LOQ		%	0.0007	
THCV-A [†]	< LOQ		%	0.0007	
THCV-Total [†]	< LOQ		%	0.0012	
Total Cannabinoids[†]	0.113		%		

Potency per 208g	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2102400	Analyze: 3/17/21 8:03:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 208g [†]	5.55		mg/208g	1.38	
CBC-A per 208g [†]	< LOQ		mg/208g	1.38	
CBC-Total per 208g [†]	5.55		mg/208g	2.59	
CBD per 208g	218		mg/208g	1.38	
CBD-A per 208g	< LOQ		mg/208g	1.38	
CBD-Total per 208g	218		mg/208g	2.59	
CBDV per 208g [†]	< LOQ		mg/208g	1.38	
CBDV-A per 208g [†]	< LOQ		mg/208g	1.38	



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



Report Number: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30

Potency per 208g **Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2102400 Analyze: 3/17/21 8:03:00 PM**

Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 208g [†]	< LOQ		mg/208g	2.57	
CBG per 208g [†]	1.48		mg/208g	1.38	
CBG-A per 208g [†]	< LOQ		mg/208g	1.38	
CBG-Total per 208g [†]	< LOQ		mg/208g	2.57	
CBL per 208g [†]	< LOQ		mg/208g	1.38	
CBN per 208g	< LOQ		mg/208g	1.38	
Δ8-THC per 208g [†]	< LOQ		mg/208g	1.38	
Δ9-THC per 208g	9.07		mg/208g	1.38	
THC-A per 208g	< LOQ		mg/208g	1.38	
THC-Total per 208g	9.07		mg/208g	2.59	
THCV per 208g [†]	< LOQ		mg/208g	1.38	
THCV-A per 208g [†]	< LOQ		mg/208g	1.38	
THCV-Total per 208g [†]	< LOQ		mg/208g	2.59	
Total Cannabinoids 208g[†]	235		mg/208g		



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



Report Number: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30

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/208g = Milligram per 208g

% = 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: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30

21-002795



Healthy Roots
Our Roots Run Deep

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-1052711FP

Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Client Sample Identification	Date/Time Collected	Analysis Requested										Sample Type	Weight	Serving size for edibles	Cor	Report in mg/gr and % (percentage)	
		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
#1 - 200mg Lemongrass B/B				✓										208gr			
#2 - 100mg Rosemary Puck				✓										106gr			
#3 - 100mg Citrus Puck				✓										102gr			
#4 - 100mg Lemongrass Puck				✓										106gr			
5 - #0A26, 1000 ISO				✓									E	1gr			
6 - #0A27, 2000 ISO				✓									E	1gr			
7 - #0A28, #0A28, 3000 ISO				✓									E	1gr			

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)	Jason Merritt pg. #1 of 2	3/16/21	2:30	JB	3/16/21	14:30	Client Alias: Order Number: Proper Container Sample Condition Temperature: 19.9 Shipped Via: Client Evidence of cooling: <input checked="" 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

www.pixislabs.com

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

www.columbiafoodlab.com

Page 1 of 2



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



Report Number: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30

21-002795



1242



nd OR 97230 p.503-254-1794 **Cannabis Chain of Custody Record**

ORELAP ID: OR100028

Company: Healthy Roots Contact: Liz Merritt Address: 14325 NE Airport Way, #113 Portland, OR 97230 Email: HealthyRootsEmp@gmail.com Phone: 503-496-2329 License: AG-1-1052211FP		Analysis Requested										Purchase Order Number: Project Number: Project Name:	
CHAIN OF CUSTODY Client Sample Identification		Pesticides - OR 59 compounds Pesticide Multi-Residue - 375 compounds Potency Residual Solvents Water Activity Moisture Terpenes Micro: Yeast and Mold Micro: E.Coli and Total Coliform Heavy Metals Mycotoxins Other		<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		Cr % (percentage) Report in mg/gr and					
Date/Time Collected													
8. #138, 1000 Mint				✓		E 1gr							
9. #139, 1000 Natural				✓		E 1gr							

Collected By: 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)	Relinquished By: Jason Merritt pg. #2 of 2	Date: 3/16/21	Time: 2:50	Received by: JB	Date: 3/16/21	Time: 14:30	Lab Use Only: Client Alias: Order Number: Proper Container: Sample Condition: Temperature: 19.9 Shipped Via: Client Evidence of cooling: <input checked="" 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 www.pixislabs.com
 Effective 05/22/2019 Revised 05/22/2019 www.columbiainfoodlab.com

Page 4 of 2
bm



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

Report Number: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30



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: 2102400**

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDV-A	0.00970	0.01	%	97.0	85.0	- 115	Acceptable	
CBDV	0.0100	0.01	%	100	85.0	- 115	Acceptable	
CBD-A	0.00975	0.01	%	97.5	85.0	- 115	Acceptable	
CBG-A	0.00968	0.01	%	96.8	85.0	- 115	Acceptable	
CBG	0.00992	0.01	%	99.2	85.0	- 115	Acceptable	
CBD	0.00992	0.01	%	99.2	85.0	- 115	Acceptable	
THCV	0.00990	0.01	%	99.0	85.0	- 115	Acceptable	
THCVA	0.00921	0.01	%	92.1	85.0	- 115	Acceptable	
CBN	0.0111	0.01	%	111	85.0	- 115	Acceptable	
THC	0.00977	0.01	%	97.7	85.0	- 115	Acceptable	
D8THC	0.00969	0.01	%	96.9	85.0	- 115	Acceptable	
CBL	0.00881	0.01	%	88.1	85.0	- 115	Acceptable	
CBC	0.0101	0.01	%	101	85.0	- 115	Acceptable	
THCA	0.00972	0.01	%	97.2	85.0	- 115	Acceptable	
CBCA	0.00926	0.01	%	92.6	85.0	- 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits		Evaluation	Notes
CBDV-A	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBDV	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBD-A	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBG-A	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBG	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBD	<LOQ	0.0006	%	< 0.0006		Acceptable	
THCV	<LOQ	0.0006	%	< 0.0006		Acceptable	
THCVA	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBN	<LOQ	0.0006	%	< 0.0006		Acceptable	
THC	<LOQ	0.0006	%	< 0.0006		Acceptable	
D8THC	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBL	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBC	<LOQ	0.0006	%	< 0.0006		Acceptable	
THCA	<LOQ	0.0006	%	< 0.0006		Acceptable	
CBCA	<LOQ	0.0006	%	< 0.0006		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: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30

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: 2102400						
Sample Duplicate		Sample ID: 21-002592-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.00759	0.00670	0.003	%	12.5	< 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	0.555	0.488	0.003	%	12.8	< 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: 21-002795/D04.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30

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.