



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



Report Number: 21-002368/D03.R00
Report Date: 03/10/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/05/21 14:05

Customer: Healthy Roots
Product identity: 200 mg BB - Citrus
Client/Metric ID: .
Laboratory ID: 21-002368-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.00266		%		
CBD	0.104		%		
CBG [†]	0.000727		%		
Δ9-THC	0.00458		%		
Analyte per 198.3g	Result	Limits	Units	Status	
CBC per 198.3g [†]	5.27		mg/198.3g		
CBD per 198.3g	206		mg/198.3g		
CBG per 198.3g [†]	1.44		mg/198.3g		
Δ9-THC per 198.3g	9.08		mg/198.3g		
					CBD-Total per 198.3g 206 mg/198.3g
					THC-Total per 198.3g 9.08 mg/198.3g
					(Reported in milligrams per serving)



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Customer: Healthy Roots

Product identity: 200 mg BB - Citrus
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-002368-0002
Relinquished by: Client
Temp: 17.7 °C
Serving Size #1: 198.3 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2102123	Analyze: 3/9/21 11:24:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00266		%	0.0007	
CBC-A [†]	< LOQ		%	0.0007	
CBC-Total [†]	0.00266		%	0.0012	
CBD	0.104		%	0.0007	
CBD-A	< LOQ		%	0.0007	
CBD-Total	0.104		%	0.0012	
CBDV [†]	< LOQ		%	0.0007	
CBDV-A [†]	< LOQ		%	0.0007	
CBDV-Total [†]	< LOQ		%	0.0012	
CBG [†]	0.000727		%	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	0.00458		%	0.0007	
THC-A	< LOQ		%	0.0007	
THC-Total	0.00458		%	0.0012	
THCV [†]	< LOQ		%	0.0007	
THCV-A [†]	< LOQ		%	0.0007	
THCV-Total [†]	< LOQ		%	0.0012	
Total Cannabinoids[†]	0.112		%		

Potency per 198.3g	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2102123	Analyze: 3/9/21 11:24:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 198.3g [†]	5.27		mg/198.3g	1.32	
CBC-A per 198.3g [†]	< LOQ		mg/198.3g	1.32	
CBC-Total per 198.3g [†]	5.27		mg/198.3g	2.47	
CBD per 198.3g	206		mg/198.3g	1.32	
CBD-A per 198.3g	< LOQ		mg/198.3g	1.32	
CBD-Total per 198.3g	206		mg/198.3g	2.47	
CBDV per 198.3g [†]	< LOQ		mg/198.3g	1.32	
CBDV-A per 198.3g [†]	< LOQ		mg/198.3g	1.32	



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Potency per 198.3g **Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2102123 Analyze: 3/9/21 11:24:00 PM**

Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 198.3g [†]	< LOQ		mg/198.3g	2.46	
CBG per 198.3g [†]	1.44		mg/198.3g	1.32	
CBG-A per 198.3g [†]	< LOQ		mg/198.3g	1.32	
CBG-Total per 198.3g [†]	< LOQ		mg/198.3g	2.46	
CBL per 198.3g [†]	< LOQ		mg/198.3g	1.32	
CBN per 198.3g	< LOQ		mg/198.3g	1.32	
Δ8-THC per 198.3g [†]	< LOQ		mg/198.3g	1.32	
Δ9-THC per 198.3g	9.08		mg/198.3g	1.32	
THC-A per 198.3g	< LOQ		mg/198.3g	1.32	
THC-Total per 198.3g	9.08		mg/198.3g	2.47	
THCV per 198.3g [†]	< LOQ		mg/198.3g	1.32	
THCV-A per 198.3g [†]	< LOQ		mg/198.3g	1.32	
THCV-Total per 198.3g [†]	< LOQ		mg/198.3g	2.47	
Total Cannabinoids 198.3g[†]	222		mg/198.3g		



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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/198.3g = Milligram per 198.3g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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21-002368



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

ORELAP ID: OR100028

CHAIN OF CUSTODY
 Company: Healthy Roots
 Contact: Liz Merritt
 Address: 14325 NE Airport Way, #113
 Portland, OR 97230
 Email: Healthyrootstemp@gmail.com
 Phone: 503-496-2329
 License: AG-L1052211FP

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	Com	Report in mg/gr and % (percentage)
1	200mg BB - Orange				X											199.4g			
2	200mg BB - Citrus				X											198.3g			
3	200mg BB - Rosemary				X											203.6g			

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	3/5/21		JB	3/5/21	14:05	Client Alias: Order Number: Proper Container Sample Condition Temperature: Shipped Via: <i>client</i> 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

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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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: 2102123							
Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDV-A	0.0101	0.01	%	101	85.0	- 115	Acceptable		
CBDV	0.0104	0.01	%	104	85.0	- 115	Acceptable		
CBD-A	0.0101	0.01	%	101	85.0	- 115	Acceptable		
CBG-A	0.0102	0.01	%	102	85.0	- 115	Acceptable		
CBG	0.0106	0.01	%	106	85.0	- 115	Acceptable		
CBD	0.0102	0.01	%	102	85.0	- 115	Acceptable		
THCV	0.0106	0.01	%	106	85.0	- 115	Acceptable		
THCVA	0.00996	0.01	%	99.6	85.0	- 115	Acceptable		
CBN	0.0106	0.01	%	106	85.0	- 115	Acceptable		
THC	0.0104	0.01	%	104	85.0	- 115	Acceptable		
D8THC	0.0101	0.01	%	101	85.0	- 115	Acceptable		
CBL	0.0102	0.01	%	102	85.0	- 115	Acceptable		
CBC	0.0106	0.01	%	106	85.0	- 115	Acceptable		
THCA	0.0100	0.01	%	100	85.0	- 115	Acceptable		
CBCA	0.00975	0.01	%	97.5	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



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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: 2102123						
Sample Duplicate		Sample ID: 21-002257-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0770	0.0757	0.003	%	1.62	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0843	0.0829	0.003	%	1.61	< 20	Acceptable	
CBD	5.20	5.15	0.003	%	0.828	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0134	0.0131	0.003	%	2.23	< 20	Acceptable	
THC	0.204	0.200	0.003	%	1.78	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.0255	0.0240	0.003	%	6.21	< 20	Acceptable	
CBC	0.00508	0.00505	0.003	%	0.556	< 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.