



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



**Report Number:** 21-002368/D04.R00  
**Report Date:** 03/10/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/05/21 14:05

**Customer:** Healthy Roots  
**Product identity:** 200 mg BB - Rosemary  
**Client/Metric ID:** .  
**Laboratory ID:** 21-002368-0003

## Summary

### Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.00279		%		CBD-Total per 203.6g 216 mg/203.6g
CBD	0.106		%		
Δ9-THC	0.00448		%		THC-Total per 203.6g 9.12 mg/203.6g
Analyte per 203.6g	Result	Limits	Units	Status	(Reported in milligrams per serving)
CBC per 203.6g <sup>†</sup>	5.68		mg/203.6g		
CBD per 203.6g	216		mg/203.6g		
Δ9-THC per 203.6g	9.12		mg/203.6g		



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**Customer:** Healthy Roots

**Product identity:** 200 mg BB - Rosemary  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 21-002368-0003  
**Relinquished by:** Client  
**Temp:** 17.7 °C  
**Serving Size #1:** 203.6 g

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2102123	Analyze: 3/9/21	11:35:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00279		%	0.0007	
CBC-A†	< LOQ		%	0.0007	
CBC-Total†	0.00279		%	0.0012	
CBD	0.106		%	0.0007	
CBD-A	< LOQ		%	0.0007	
CBD-Total	0.106		%	0.0012	
CBDV†	< LOQ		%	0.0007	
CBDV-A†	< LOQ		%	0.0007	
CBDV-Total†	< LOQ		%	0.0012	
CBG†	< LOQ		%	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	0.00448		%	0.0007	
THC-A	< LOQ		%	0.0007	
THC-Total	0.00448		%	0.0012	
THCV†	< LOQ		%	0.0007	
THCV-A†	< LOQ		%	0.0007	
THCV-Total†	< LOQ		%	0.0012	
Total Cannabinoids†	0.113		%		

Potency per 203.6g	Method J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2102123	Analyze: 3/9/21 11:35:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 203.6g <sup>†</sup>	5.68		mg/203.6g	1.35	
CBC-A per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	
CBC-Total per 203.6g <sup>†</sup>	5.68		mg/203.6g	2.54	
CBD per 203.6g	216		mg/203.6g	1.35	
CBD-A per 203.6g	< LOQ		mg/203.6g	1.35	
CBD-Total per 203.6g	216		mg/203.6g	2.54	
CBDV per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	
CBDV-A per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	



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Potency per 203.6g Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2102123 Analyze: 3/9/21 11:35:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	2.52	
CBG per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	
CBG-A per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	
CBG-Total per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	2.52	
CBL per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	
CBN per 203.6g	< LOQ		mg/203.6g	1.35	
Δ8-THC per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	
Δ9-THC per 203.6g	9.12		mg/203.6g	1.35	
THC-A per 203.6g	< LOQ		mg/203.6g	1.35	
THC-Total per 203.6g	9.12		mg/203.6g	2.54	
THCV per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	
THCV-A per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	1.35	
THCV-Total per 203.6g <sup>†</sup>	< LOQ		mg/203.6g	2.54	
<b>Total Cannabinoids 203.6g<sup>†</sup></b>	<b>231</b>		mg/203.6g		



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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/203.6g = Milligram per 203.6g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner  
General Manager



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21-002368



ORELAP ID: OR100028

Healthy Roots  
Hemp Products  
Our Roots Run Deep

Way Portland OR 97230 p.503-254-1794

### Cannabis Chain of Custody Record

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-L-1052211FP

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	Corr	Report in mg/gr and % (percentage)
1	200mg BB - Orange				X											179.4g			
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: 61.7 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](http://www.pixislabs.com)

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

[www.columbiainfoodlab.com](http://www.columbiainfoodlab.com)

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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.