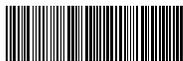




12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**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
<b>Analyte per 203.6g</b>	<b>Result</b>	<b>Limits</b>	<b>Units</b>	<b>Status</b>	(Reported in milligrams per serving)
CBC per 203.6g <sup>1</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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**Purchase Order:**  
**Received:** 03/05/21 14:05



**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 <sup>†</sup>	< LOQ		%	0.0007	
CBC-Total <sup>†</sup>	0.00279		%	0.0012	
CBD	0.106		%	0.0007	
CBD-A	< LOQ		%	0.0007	
CBD-Total	0.106		%	0.0012	
CBDV <sup>†</sup>	< LOQ		%	0.0007	
CBDV-A <sup>†</sup>	< LOQ		%	0.0007	
CBDV-Total <sup>†</sup>	< LOQ		%	0.0012	
CBG <sup>†</sup>	< LOQ		%	0.0007	
CBG-A <sup>†</sup>	< LOQ		%	0.0007	
CBG-Total	< LOQ		%	0.0012	
CBL <sup>†</sup>	< LOQ		%	0.0007	
CBN	< LOQ		%	0.0007	
Δ8-THC <sup>†</sup>	< LOQ		%	0.0007	
Δ9-THC	0.00448		%	0.0007	
THC-A	< LOQ		%	0.0007	
THC-Total	0.00448		%	0.0012	
THCV <sup>†</sup>	< LOQ		%	0.0007	
THCV-A <sup>†</sup>	< LOQ		%	0.0007	
THCV-Total <sup>†</sup>	< LOQ		%	0.0012	
<b>Total Cannabinoids<sup>†</sup></b>	<b>0.113</b>		%		

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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**Purchase Order:**  
**Received:** 03/05/21 14:05

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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**Received:** 03/05/21 14:05



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 - <del>Orange</del> 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](http://www.pixislabs.com)  
Effective 05/22/2019 Revised 05/22/2019 [www.columbiainfoodlab.com](http://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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**Report Number:** 21-002368/D04.R00  
**Report Date:** 03/10/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/05/21 14:05

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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**Purchase Order:**  
**Received:** 03/05/21 14:05

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.