



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



Report Number: 20-009479/D03.R00
Report Date: 09/10/2020
ORELAP#: OR100028
Purchase Order:
Received: 09/04/20 16:15

Customer: Healthy Roots
Product identity: Breaking Wave Bar Soap
Client/Metric ID: .
Laboratory ID: 20-009479-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 127.5g	135 mg/127.5g
CBC	0.00319		%			
CBD	0.106		%			
Δ9-THC	0.00519		%		THC-Total per 127.5g	<LOQ
Analyte per 127.5g	Result	Limits	Units	Status	(Reported in milligrams per serving)	
CBC per 127.5g	4.07		mg/127.5g			
CBD per 127.5g	135		mg/127.5g			
Δ9-THC per 127.5g	6.62		mg/127.5g			



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Customer: Healthy Roots

Product identity: Breaking Wave Bar Soap
Client/Metric ID: .
Sample Date:
Laboratory ID: 20-009479-0002
Relinquished by: Client
Temp: 26.3 °C
Serving Size #1: 127.5 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Batch: 2007421	Analyze: 9/9/20 2:44:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00319		%	0.0031	
CBC-A†	< LOQ		%	0.0031	
CBC-Total†	< LOQ		%	0.0059	
CBD	0.106		%	0.0031	
CBD-A	< LOQ		%	0.0031	
CBD-Total	0.106		%	0.0059	
CBDV†	< LOQ		%	0.0031	
CBDV-A†	< LOQ		%	0.0031	
CBDV-Total†	< LOQ		%	0.0059	
CBG†	< LOQ		%	0.0031	
CBG-A†	< LOQ		%	0.0031	
CBG-Total	< LOQ		%	0.0059	
CBL†	< LOQ		%	0.0031	
CBN	< LOQ		%	0.0031	
Δ8-THC†	< LOQ		%	0.0031	
Δ9-THC	0.00519		%	0.0031	
THC-A	< LOQ		%	0.0031	
THC-Total	< LOQ		%	0.0059	
THCV†	< LOQ		%	0.0031	
THCV-A†	< LOQ		%	0.0031	
THCV-Total†	< LOQ		%	0.0059	
Total Cannabinoids†	0.114		%		

Potency per 127.5g	Method J AOAC 2015 V98-6 (mod)	Batch: 2007421	Analyze: 9/9/20 2:44:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 127.5g	4.07		mg/127.5g	4.01	
CBC-A per 127.5g	< LOQ		mg/127.5g	4.01	
CBC-Total per 127.5g	< LOQ		mg/127.5g	7.52	
CBD per 127.5g	135		mg/127.5g	4.01	
CBD-A per 127.5g	< LOQ		mg/127.5g	4.01	
CBD-Total per 127.5g	135		mg/127.5g	7.52	
CBDV per 127.5g	< LOQ		mg/127.5g	4.01	
CBDV-A per 127.5g	< LOQ		mg/127.5g	4.01	

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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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Potency per 127.5g					
Method J AOAC 2015 V98-6 (mod) Batch: 2007421 Analyze: 9/9/20 2:44:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 127.5g	< LOQ		mg/127.5g	7.48	
CBG per 127.5g	< LOQ		mg/127.5g	4.01	
CBG-A per 127.5g	< LOQ		mg/127.5g	4.01	
CBG-Total per 127.5g	< LOQ		mg/127.5g	7.48	
CBL per 127.5g	< LOQ		mg/127.5g	4.01	
CBN per 127.5g	< LOQ		mg/127.5g	4.01	
Δ8-THC per 127.5g	< LOQ		mg/127.5g	4.01	
Δ9-THC per 127.5g	6.62		mg/127.5g	4.01	
THC-A per 127.5g	< LOQ		mg/127.5g	4.01	
THC-Total per 127.5g	< LOQ		mg/127.5g	7.52	
THCV per 127.5g	< LOQ		mg/127.5g	4.01	
THCV-A per 127.5g	< LOQ		mg/127.5g	4.01	
THCV-Total per 127.5g	< LOQ		mg/127.5g	7.53	
Total Cannabinoids 127.5g[†]	146		mg/127.5g		



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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/127.5g = Milligram per 127.5g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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124 land OR 97230 p.503-254-1794 Cannabis Chain of Custody Record 20-009479 PIXIS Labs

Healthy Roots
Our Roots Run Deep

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-L105211FP

CHAIN OF CUSTODY

Con
Con
Add
City
Ema
Phor
Billing
Proc
Licer

Client

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

Co

Healthy Roots

% (percentage)

Report in mg/gr and

Purchase Order Number:

Project Number:

Project Name:

☐ Report Instructions:
☐ Send to State - METRC
☐ Email Final Results:
☐ Fax Final Results
☐ Cash/Check/CC/Net 30

Other:

Collected By: Relinquished By: Date Time Received by: Date Time Lab Use Only:

Turnaround time:
Ask for availability
☒ Standard (5 day)
☐ Rush (3-4 day)
(1.5x Standard)
☐ Priority Rush (2 day)
(2x Standard)

Client Alias:
Order Number:
Proper Container
Sample Condition
Temperature: 26.3
Shipped Via:
Evidence of cooling: ☐ 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.columbiabiofoodlab.com

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Received: 09/04/20 16:15

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: 2007421										
Laboratory Control Sample										
Analyte	Result		Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDV-A	0.00977		0.01	%	97.7	85.0 - 115		Acceptable		
CBDV	0.0102		0.01	%	102	85.0 - 115		Acceptable		
CBD-A	0.00997		0.01	%	99.7	85.0 - 115		Acceptable		
CBG-A	0.00932		0.01	%	93.2	85.0 - 115		Acceptable		
CBG	0.0100		0.01	%	100	85.0 - 115		Acceptable		
CBD	0.0109		0.01	%	109	85.0 - 115		Acceptable		
THCV	0.00977		0.01	%	97.7	85.0 - 115		Acceptable		
THCVA	0.00922		0.01	%	92.2	85.0 - 115		Acceptable		
CBN	0.0103		0.01	%	103	85.0 - 115		Acceptable		
THC	0.00951		0.01	%	95.1	85.0 - 115		Acceptable		
D8THC	0.00988		0.01	%	98.8	85.0 - 115		Acceptable		
CBL	0.00891		0.01	%	89.1	85.0 - 115		Acceptable		
CBC	0.0100		0.01	%	100	85.0 - 115		Acceptable		
THCA	0.00925		0.01	%	92.5	85.0 - 115		Acceptable		
CBCA	0.0112		0.01	%	112	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



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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: 2007421			
Sample Duplicate					Sample ID: 20-009247-0001-01			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0561	0.0563	0.003	%	0.234	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0439	0.0461	0.003	%	4.81	< 20	Acceptable	
CBD	11.8	11.9	0.003	%	1.18	< 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	0.164	0.163	0.003	%	0.889	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.0168	0.0164	0.003	%	2.90	< 20	Acceptable	
CBC	0.00548	0.00538	0.003	%	1.94	< 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.