



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



Report Number: 21-002795/D05.R00
Report Date: 03/23/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/16/21 14:30

Customer: Healthy Roots
Product identity: 100mg Rosemary Puck
Client/Metric ID: .
Laboratory ID: 21-002795-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.00253		%		CBD-Total per 106g 106 mg/106g
CBD	0.100		%		
Δ9-THC	0.00419		%		THC-Total per 106g 4.44 mg/106g
Analyte per 106g	Result	Limits	Units	Status	(Reported in milligrams per serving)
CBC per 106g [†]	2.68		mg/106g		
CBD per 106g	106		mg/106g		
Δ9-THC per 106g	4.44		mg/106g		



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Customer: Healthy Roots

Product identity: 100mg Rosemary Puck
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-002795-0002
Evidence of Cooling: No
Temp: 19.9 °C
Serving Size #1: 106 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2102400	Analyze: 3/17/21 8:11:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00253		%	0.0007	
CBC-A†	< LOQ		%	0.0007	
CBC-Total†	0.00253		%	0.0012	
CBD	0.100		%	0.0007	
CBD-A	< LOQ		%	0.0007	
CBD-Total	0.100		%	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	0.00419		%	0.0007	
THC-A	< LOQ		%	0.0007	
THC-Total	0.00419		%	0.0012	
THCV†	< LOQ		%	0.0007	
THCV-A†	< LOQ		%	0.0007	
THCV-Total†	< LOQ		%	0.0012	
Total Cannabinoids†	0.107		%		

Potency per 106g	Method J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2102400	Analyze: 3/17/21 8:11:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 106g†	2.68		mg/106g	0.698	
CBC-A per 106g†	< LOQ		mg/106g	0.698	
CBC-Total per 106g†	2.68		mg/106g	1.31	
CBD per 106g	106		mg/106g	0.698	
CBD-A per 106g	< LOQ		mg/106g	0.698	
CBD-Total per 106g	106		mg/106g	1.31	
CBDV per 106g†	< LOQ		mg/106g	0.698	
CBDV-A per 106g†	< LOQ		mg/106g	0.698	



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Potency per 106g Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2102400 Analyze: 3/17/21 8:11:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 106g [†]	< LOQ		mg/106g	1.30	
CBG per 106g [†]	< LOQ		mg/106g	0.698	
CBG-A per 106g [†]	< LOQ		mg/106g	0.698	
CBG-Total per 106g [†]	< LOQ		mg/106g	1.30	
CBL per 106g [†]	< LOQ		mg/106g	0.698	
CBN per 106g	< LOQ		mg/106g	0.698	
Δ8-THC per 106g [†]	< LOQ		mg/106g	0.698	
Δ9-THC per 106g	4.44		mg/106g	0.698	
THC-A per 106g	< LOQ		mg/106g	0.698	
THC-Total per 106g	4.44		mg/106g	1.31	
THCV per 106g [†]	< LOQ		mg/106g	0.698	
THCV-A per 106g [†]	< LOQ		mg/106g	0.698	
THCV-Total per 106g [†]	< LOQ		mg/106g	1.31	
Total Cannabinoids 106g[†]	114		mg/106g		



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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/106g = Milligram per 106g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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21-002795



Healthy Roots
NEW PRODUCTS
Our Roots Run Deep

Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

ORELAP ID: OR100028

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	Cor	Report in mg/gr and (percentage)
#1	200mg Lemongrass Btg				✓											208gr			
#2	100mg Rosemary Puck				✓											106gr			
#3	100mg Citrus Puck				✓											102gr			
#4	100mg Lemongrass Puck				✓											106gr			
5	#DA26, 1000 ISO				✓										E	1gr			
6	#DA27, 2000 ISO				✓										E	1gr			
7	#DA28, #DA28, 3000 ISO				✓										E	1gr			

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)	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: ☒ 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

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

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21-002795



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Healthy Roots
ALWAYS PRODUCTS
Our Roots Run Deep

and 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: HealthyRootsHemp@gmail.com Phone: 503-496-2329 License: AG-1-1052211FP		Analysis Requested										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:						
Client Sample Identification	Date/Time Collected	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	Sample Type	Weight	Serving size for edibles	Cr	Report in mg/gr and % (percentage)
8. #138, 1000 mint				✓										E	1gr			
9. #139, 1000 Natural				✓										E	1gr			

Collected By: Turnaround time: Ask for availability ☐ Standard (5 day) ☐ Rush (3-4 day) (1.5x Standard) ☐ Priority Rush (2 day) (2x Standard)	Relinquished By: Jason Merritt pg. #2 of 2	Date 3/16/21	Time 2:30	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: ☒ No
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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: 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



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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: 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



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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.