



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



**Report Number:** 20-007025/D02.R00  
**Report Date:** 07/10/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 07/07/20 15:21

**Customer:** Healthy Roots  
**Product identity:** capsules  
**Client/Metric ID:** .  
**Laboratory ID:** 20-007025-0001

### Summary

**Potency:**

Analyte	Result	Limits	Units	Status	
CBC	0.0263		%		
CBD	2.31		%		
CBDV <sup>†</sup>	0.0125		%		
CBG <sup>†</sup>	0.0361		%		
CBN	0.00451		%		
Δ9-THC	0.0890		%		
<b>Analyte per 6.6g</b>	<b>Result</b>	<b>Limits</b>	<b>Units</b>	<b>Status</b>	
CBC per 6.6g	1.74		mg/6.6g		
CBD per 6.6g	152		mg/6.6g		
CBDV per 6.6g	0.825		mg/6.6g		
CBG per 6.6g	2.38		mg/6.6g		
CBN per 6.6g	0.298		mg/6.6g		
Δ9-THC per 6.6g	5.87		mg/6.6g		
					CBD-Total per 6.6g 152 mg/6.6g
					THC-Total per 6.6g 5.87 mg/6.6g
					(Reported in milligrams per serving)

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**Customer:** Healthy Roots

**Product identity:** capsules  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 20-007025-0001  
**Relinquished by:** Liz Merritt  
**Temp:** 14.9 °C

### Sample Results

Potency		Method J AOAC 2015 V98-6 (mod)		Batch: 2005642	Analyze: 7/9/20 11:05:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes	
CBC	0.0263		%	0.0032		
CBC-A†	< LOQ		%	0.0032		
CBC-Total†	0.0263		%	0.0060		
CBD	2.31		%	0.318		
CBD-A	< LOQ		%	0.0032		
CBD-Total	2.31		%	0.321		
CBDV†	0.0125		%	0.0032		
CBDV-A†	< LOQ		%	0.0032		
CBDV-Total†	0.0125		%	0.0059		
CBG†	0.0361		%	0.0032		
CBG-A†	< LOQ		%	0.0032		
CBG-Total	0.0361		%	0.0059		
CBL†	< LOQ		%	0.0032		
CBN	0.00451		%	0.0032		
Δ8-THC†	< LOQ		%	0.0032		
Δ9-THC	0.0890		%	0.0032		
THC-A	< LOQ		%	0.0032		
THC-Total	0.0890		%	0.0060		
THCV†	< LOQ		%	0.0032		
THCV-A†	< LOQ		%	0.0032		
THCV-Total†	< LOQ		%	0.0059		
<b>Total Cannabinoids†</b>	<b>2.48</b>		%			

Potency per 6.6g		Method J AOAC 2015 V98-6 (mod)		Batch: 2005642	Analyze: 7/9/20 11:05:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 6.6g	1.74		mg/6.6g	0.210		
CBC-A per 6.6g	< LOQ		mg/6.6g	0.210		
CBC-Total per 6.6g	1.74		mg/6.6g	0.395		
CBD per 6.6g	152		mg/6.6g	21.0		
CBD-A per 6.6g	< LOQ		mg/6.6g	0.210		
CBD-Total per 6.6g	152		mg/6.6g	21.2		
CBDV per 6.6g	0.825		mg/6.6g	0.210		
CBDV-A per 6.6g	< LOQ		mg/6.6g	0.210		
CBDV-Total per 6.6g	0.825		mg/6.6g	0.392		

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Potency per 6.6g      **Method** J AOAC 2015 V98-6 (mod)      **Batch:** 2005642      **Analyze:** 7/9/20 11:05:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBG per 6.6g	2.38		mg/6.6g	0.210	
CBG-A per 6.6g	< LOQ		mg/6.6g	0.210	
CBG-Total per 6.6g	2.38		mg/6.6g	0.392	
CBL per 6.6g	< LOQ		mg/6.6g	0.210	
CBN per 6.6g	0.298		mg/6.6g	0.210	
Δ8-THC per 6.6g	< LOQ		mg/6.6g	0.210	
Δ9-THC per 6.6g	5.87		mg/6.6g	0.210	
THC-A per 6.6g	< LOQ		mg/6.6g	0.210	
THC-Total per 6.6g	5.87		mg/6.6g	0.395	
THCV per 6.6g	< LOQ		mg/6.6g	0.210	
THCV-A per 6.6g	< LOQ		mg/6.6g	0.210	
THCV-Total per 6.6g	< LOQ		mg/6.6g	0.395	
<b>Total Cannabinoids 6.6g<sup>1</sup></b>	<b>164</b>		mg/6.6g		

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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/6.6g = Milligram per 6.6g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner  
General Manager



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Healthy Roots  
Our Roots Run Deep

Company: Healthy Roots  
Contact: Liz Merritt  
Address: 14325 NE Airport Way, #113  
Portland, OR 97230  
Email: Healthyroots@healthyroots.com  
Phone: 503-496-2329  
License: Ag-L-1052211FP

and OR 97230 p.503-254-1794

**Cannabis Chain of Custody Record**

HEALTHYROOTS 20-007025



Report ID: OR100028  
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:



Healthy Roots

Date/Time Collected	Analysis Requested										Sample Type	Weight	Serving size for edibles	Cc	Report in mg/gr and % (percentage)
	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					
* Capsules		X										caps	6.6 grams		

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)	Liz Merritt	7/7/20	12:30	[Signature]	7/20	15:21	Client Alias: Order Number: Proper Container Sample Condition 14.9 Temperature: Shipped Via: Evidence of cooling: <input 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

Version: 3.00 Control#: CF023  
Effective 05/22/2019 Revised 05/22/2019

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JS 7/17/20  
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Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

JAOAC2015 V98-6									
Batch ID: 2005642									
Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes		
CBDA	0.00945		0.01	%	94.5	85.0 - 115	Acceptable		
CBV	0.00961		0.01	%	96.1	85.0 - 115	Acceptable		
CBDA	0.00966		0.01	%	96.6	85.0 - 115	Acceptable		
CBG-A	0.00943		0.01	%	94.3	85.0 - 115	Acceptable		
CBG	0.00951		0.01	%	95.1	85.0 - 115	Acceptable		
CB	0.0102		0.01	%	102	85.0 - 115	Acceptable		
THCV	0.00951		0.01	%	95.1	85.0 - 115	Acceptable		
THCA	0.00925		0.01	%	92.5	85.0 - 115	Acceptable		
CBN	0.0102		0.01	%	102	85.0 - 115	Acceptable		
THC	0.0103		0.01	%	103	85.0 - 115	Acceptable		
DBTHC	0.00896		0.01	%	89.6	85.0 - 115	Acceptable		
CB	0.00946		0.01	%	94.6	85.0 - 115	Acceptable		
CB	0.00979		0.01	%	97.9	85.0 - 115	Acceptable		
THCA	0.00931		0.01	%	93.1	85.0 - 115	Acceptable		
CBDA	0.00870		0.01	%	87.0	85.0 - 115	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBV	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBG-A	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	<LOQ	0.0006	%	< 0.0006	Acceptable	
CB	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBN	<LOQ	0.0006	%	< 0.0006	Acceptable	
THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
DBTHC	<LOQ	0.0006	%	< 0.0006	Acceptable	
CB	<LOQ	0.0006	%	< 0.0006	Acceptable	
CB	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDA	<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

JAOAC2015 V986		Batch ID: 2005642						
Sample Duplicate		Sample ID: 20-006924-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
CBD	0.0325	0.0326	0.0006	%	0.317	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
THC	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0006	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0006	%	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.