



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



**Report Number:** 20-008700/D02.R00  
**Report Date:** 08/24/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 08/18/20 09:45

**Customer:** Healthy Roots  
**Product identity:** #100.800 Deep Relief  
**Client/Metric ID:** .  
**Laboratory ID:** 20-008700-0002

## Summary

### Potency:

Analyte per 130g	Result	Limits	Units	Status	CBD-Total per 130g	868 mg/130g
CBC per 130g	6.77		mg/130g			
CBC-A per 130g	14.0		mg/130g		THC-Total per 130g	8.89 mg/130g
CBD per 130g	645		mg/130g			
CBD-A per 130g	255		mg/130g			(Reported in milligrams per serving)
CBG per 130g	4.59		mg/130g			
CBG-A per 130g	10.3		mg/130g			
Δ9-THC per 130g	8.89		mg/130g			



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**Customer:** Healthy Roots

**Product identity:** #100.800 Deep Relief  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 20-008700-0002  
**Relinquished by:** Client Drop off  
**Temp:** 21.6 °C  
**Serving Size #1:** 130 g

## Sample Results

Potency per 130g		Method J AOAC 2015 V98-6 (mod)		Batch: 2006833	Analyze: 8/19/20 11:08:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 130g	6.77		mg/130g	4.26	
CBC-A per 130g	14.0		mg/130g	4.26	
CBC-Total per 130g	19.1		mg/130g	7.99	
CBD per 130g	645		mg/130g	4.26	
CBD-A per 130g	255		mg/130g	4.26	
CBD-Total per 130g	868		mg/130g	7.99	
CBDV per 130g	< LOQ		mg/130g	4.26	
CBDV-A per 130g	< LOQ		mg/130g	4.26	
CBDV-Total per 130g	< LOQ		mg/130g	7.95	
CBG per 130g	4.59		mg/130g	4.26	
CBG-A per 130g	10.3		mg/130g	4.26	
CBG-Total per 130g	13.5		mg/130g	7.95	
CBL per 130g	< LOQ		mg/130g	4.26	
CBN per 130g	< LOQ		mg/130g	4.26	
Δ8-THC per 130g	< LOQ		mg/130g	4.26	
Δ9-THC per 130g	8.89		mg/130g	4.26	
THC-A per 130g	< LOQ		mg/130g	4.26	
THC-Total per 130g	8.89		mg/130g	7.99	
THCV per 130g	< LOQ		mg/130g	4.26	
THCV-A per 130g	< LOQ		mg/130g	4.26	
THCV-Total per 130g	< LOQ		mg/130g	7.99	
<b>Total Cannabinoids 130g<sup>†</sup></b>	<b>944</b>		mg/130g		



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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/130g = Milligram per 130g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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Healthy Roots  
Our Roots Run Deep

Portland OR 97230 p.503-254-1794

**Cannabis Chain of Custody Record** 20-008700 **PIXIS Labs**  
A Tentamus Company

ORELAP ID: OR100028

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

CHAIN OF CUSTODY

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:

Sample Type	Weight	Serving size for edibles	Co	Healthy Roots	% (percentage)	Report in mg/gr and
BB	198 gram					
T	130 gram					
Z	1 gram					

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)	Wmerrick	8/14/20	9:45am	Z	8-18	9:45	Client Alias: Order Number: Proper Container Sample Condition 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

Revision: 3.00 Control#: CF023  
Effective 05/22/2019 Revised 05/22/2019  
[www.pixislabs.com](http://www.pixislabs.com)  
[www.columbialaboratories.com](http://www.columbialaboratories.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

JAOAC2015 V98.6 Batch ID: 2006833									
Laboratory Control Sample									
Analyte	Result		Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	0.00973		0.01	%	97.3	85.0 - 115		Acceptable	
CBDV	0.0101		0.01	%	101	85.0 - 115		Acceptable	
CBD-A	0.00957		0.01	%	95.7	85.0 - 115		Acceptable	
CBG-A	0.00981		0.01	%	98.1	85.0 - 115		Acceptable	
CBG	0.00993		0.01	%	99.3	85.0 - 115		Acceptable	
CBD	0.00917		0.01	%	91.7	85.0 - 115		Acceptable	
THCV	0.00960		0.01	%	96.0	85.0 - 115		Acceptable	
THCVA	0.00964		0.01	%	96.4	85.0 - 115		Acceptable	
CBN	0.0100		0.01	%	100	85.0 - 115		Acceptable	
THC	0.00993		0.01	%	99.3	85.0 - 115		Acceptable	
D8THC	0.00976		0.01	%	97.6	85.0 - 115		Acceptable	
CBL	0.00945		0.01	%	94.5	85.0 - 115		Acceptable	
CBG	0.00987		0.01	%	98.7	85.0 - 115		Acceptable	
THCA	0.00916		0.01	%	91.6	85.0 - 115		Acceptable	
CBDA	0.00956		0.01	%	95.6	85.0 - 115		Acceptable	

#### Method Blank

Analyte	Result		LOQ	Units		Limits		Evaluation	Notes
CBDVA	<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	
CBG	<LOQ		0.003	%		< 0.003		Acceptable	
THCA	<LOQ		0.003	%		< 0.003		Acceptable	
CBDA	<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

JAOAC2015 V986					Batch ID: 2006833			
Sample Duplicate					Sample ID: 20-008700-0002			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD-A	0.196	0.196	0.003	%	0.00373	< 20	Acceptable	
CBG-A	0.00795	0.00770	0.003	%	3.22	< 20	Acceptable	
CBG	0.00353	0.00339	0.003	%	3.92	< 20	Acceptable	
CBD	0.496	0.493	0.003	%	0.449	< 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	0.00684	0.00671	0.003	%	1.85	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.00521	0.00511	0.003	%	1.93	< 20	Acceptable	
THCA	<LOQ	0.00339	0.003	%	NA	< 20	Acceptable	R2
CBDA	0.0108	0.0106	0.003	%	2.26	< 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  
R2 - Sample replicates RPD non-calculable, as only one replicate is within analytical range

#### 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.