



Report Number:	22-002191/D002.R000
Report Date:	03/03/2022
ORELAP#:	OR100028
Purchase Order:	
Received:	02/25/22 23:00

Healthy Roots
#196, 50mg Deep Relief
22-002191-0001

Summary

Analyte	Result	Limits	Units	Status	CBD-Total per 8g	51.3 mg/8g
CBC	0.0233		%			
CBD	0.637		%			
CBD-A	0.00526		%		THC-Total per 8g	0.684 mg/8g
∆9-THC	0.00855		%		(Reported in milli	grams per serving)
Analyte per 8g	Result	Limits	Units	Status		
CBC per 8g [†]	1.86		mg/8g			
CBD per 8g	51.0		mg/8g			
CBD-A per 8g	0.421		mg/8g			
∆9-THC per 8g	0.684		mg/8g			

Page 1 of 8 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



Customer:

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



Report Number:	22-002191/D002.R000
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ORELAP#:	OR100028
Purchase Order:	
Received:	02/25/22 23:00

#196, 50mg Deep Relief
22-002191-0001
No
22.6 °C
Client
8 g

Healthy Roots

Sample Results

Potency	Method J AOAC	2015 V98-6 (mod)	Units %	Batch: 2201786	Analyze: 3/1/22	11:56:00 AM
Analyte	Result	Limits	Units	LOQ		Notes
CBC	0.0233		%	0.0032		
CBC-A [†]	< LOQ		%	0.0032		
CBC-Total [†]	0.0233		%	0.0060		
CBD	0.637		%	0.0032		
CBD-A	0.00526		%	0.0032		
CBD-Total	0.642		%	0.0060		
CBDV [†]	< LOQ		%	0.0032		
CBDV-A [†]	< LOQ		%	0.0032		
CBDV-Total [†]	< LOQ		%	0.0060		
CBE [†]	< LOQ		%	0.0032		
CBG [†]	< LOQ		%	0.0032		
CBG-A [†]	< LOQ		%	0.0032		
CBG-Total	< LOQ		%	0.0060		
CBL [†]	< LOQ		%	0.0032		
CBL-A [†]	< LOQ		%	0.0032		
CBL-Total [†]	< LOQ		%	0.0060		
CBN	< LOQ		%	0.0032		
CBT [†]	< LOQ		%	0.0032		
$\Delta 8$ -THCV	< LOQ		%	0.0032		
$\Delta 8\text{-THC}^{\dagger}$	< LOQ		%	0.0032		
Δ9-THC	0.00855		%	0.0032		
THC-A	< LOQ		%	0.0032		
THC-Total	0.00855		%	0.0060		
THCV [†]	< LOQ		%	0.0032		
THCV-A [†]	< LOQ		%	0.0032		
THCV-Total [↑]	< LOQ		%	0.0060		
Total Cannabinoids [†]	0.674		%			

Potency per 8g	Method J AOA	C 2015 V98-6 (m	od) Units mg/se Ba	atch: 2201786	Analyze: 3/1/22 11:56:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 8g [†]	1.86		mg/8g	0.258	
CBC-A per 8g [†]	< LOQ		mg/8g	0.258	
CBC-Total per 8g [†]	1.86		mg/8g	0.484	

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 OAR 333-007-0430





Report Number: 22-002191/D002.R000 03/03/2022 **Report Date: ORELAP#:** OR100028 **Purchase Order: Received:** 02/25/22 23:00

Potency per 8g	Method J AOA	C 2015 V98-6 (mod) Units mg/s	se Batch: 2201786	Analyze: 3/1/22 11:56:00 AM
Analyte	Result	Limits Units	LOQ	Notes
CBD per 8g	51.0	mg/8g	0.258	
CBD-A per 8g	0.421	mg/8g	0.258	
CBD-Total per 8g	51.3	mg/8g	0.484	
CBDV per 8g [†]	< LOQ	mg/8g	0.258	
CBDV-A per 8g [†]	< LOQ	mg/8g	0.258	
CBDV-Total per 8g⁺	< LOQ	mg/8g	0.481	
CBE per 8g [†]	< LOQ	mg/8g	0.258	
CBG per 8g [†]	< LOQ	mg/8g	0.258	
CBG-A per 8g [†]	< LOQ	mg/8g	0.258	
CBG-Total per 8g [†]	< LOQ	mg/8g	0.481	
CBL per 8g [†]	< LOQ	mg/8g	0.258	
CBL-A per 8g†	< LOQ	mg/8g	0.258	
CBL-Total per 8g [†]	< LOQ	mg/8g	0.484	
CBN per 8g	< LOQ	mg/8g	0.258	
CBT per 8g [†]	< LOQ	mg/8g	0.258	
$\Delta 8$ -THCV per 8g ⁺	< LOQ	mg/8g	0.258	
$\Delta 8$ -THC per 8g ⁺	< LOQ	mg/8g	0.258	
∆9-THC per 8g	0.684	mg/8g	0.258	
exo-THC per 8g⁺	< LOQ	mg/8g	0.258	
THC-A per 8g	< LOQ	mg/8g	0.258	
THC-Total per 8g	0.684	mg/8g	0.484	
THCV per 8g⁺	< LOQ	mg/8g	0.258	
THCV-A per 8g [†]	< LOQ	mg/8g	0.258	
THCV-Total per 8g [†]	< LOQ	mg/8g	0.484	
Total Cannabinoids per 8g	53.9	mg/8g		

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 22-002191/D002.R000

 Report Date:
 03/03/2022

 ORELAP#:
 OR100028

 Purchase Order:
 Z

 Received:
 02/25/22 23:00

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, CCR title 16-division 42. BCC-section 5723

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/8g = Milligram per 8g % = Percentage of sample % wt = μg/g divided by 10,000

Approved Signatory

Derrick Tanner General Manager

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ORELAP#:	OR100028
Purchase Order:	

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02/25/22 23:00

			1				A	analys	is Req	ueste	d			1			
Billi	CHAIN OF C Company: Healthy Root Contact: Liz Merritt Address: 14325 NE Airpp Portland, OR 9 Email: Healthyrootshem Phone: 503-496-2329 License: AG-L 1052211FI icense: AG-L 1052211FI icense: AG-L 1052211FI Client Sample Identification	s ort Way, #: 7230 p@gmail.c	com	S ss – OR 59 compounds	Pesticide Multi-Residue – 379 compounds		Kesidual Solvents	Moisture & Water Activity		Micro: Yeast and Mold	<i>Coli</i> and Total Coliform	etals	ns obje Plate Count Salmonella	hylococcu	Project Proje stom Re port to	ect Name: eporting: State - 🗌 ME d time: 🗹 5 3 2 1 *(TRC or Other: Business Day Standard Turnaround Business Day Rush Turnaround* Business Day Rush Turnaround* Check for availability
Lab	Client Sample Identification	Data	Time	esticide	esticide	Potency	sidual	oisture	erpenes	icro: Ye	Micro: E.Coli	Heavy Metals	Mycotoxins Aero	San	nple	Weight	
	#1910 50m Deep	2/25	nine	a	d	J	A R	Σ	Te	Σ	Σ	Н	Ś	5 Typ	pe†	(Units)	Comments/Metrc ID
	#1910, 50mg Deep Relief	2/00	2						-		1					89	
	,		1														
			1		a:							12					a fei
								-									
															4	<i>v</i> .,	Report in mg/gr and % (percentage)
			·						-						4		≝ mg/gr
		1	-					-									and % (percentage)
	Relinquished By:	Date	Time		1	R	eceived	Bv:				ate	Time				Lab Use Only:
	Nelton	-1	12:00				Mar	1			01	-lea	12:2		Shinne	d Via:	or Client drop

12423 NE Whitaker Way Portland, OR 97230 P: (503) 254-1794 | Fax: (503) 254-1452 Page _____of____ www.columbialaboratories.com info@columbialaboratories.com

Page 5 of 8 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 Date:	03/03/2022
ORELAP#:	OR100028
Purchase Order:	

Received:

02/25/22 23:00

Revision: 1 Document ID: 7148

Legacy ID:	Worksheet	Validated 04/20/2021
Legacy ID.	VVUKSHEEL	Vallualeu 04/20/2021

		Labor	atory (Quality Co	ontrol Results		
JAOAC2015 V98-6 Batch ID: 2201786							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.00925	0.01	%	92.5	85.0 - 11	5 Acceptable	
CBDV	0.0108	0.01	%	108	85.0 - 11	5 Acceptable	
CEE	0.00891	0.01	%	89.1	85.0 - 11	5 Acceptable	
CBDA	0.0100	0.01	%	100	85.0 - 11	5 Acceptable	
CBGA	0.00924	0.01	%	92.4	85.0 - 11	5 Acceptable	
CBG	0.00958	0.01	%	95.8	85.0 - 11	5 Acceptable	
CBD	0.0100	0.01	%	100	85.0 - 11	5 Acceptable	
THCV	0.00958	0.01	%	95.8	85.0 - 11	5 Acceptable	
d8THCV	0.00947	0.01	%	94.7	85.0 - 11	5 Acceptable	
THCVA	0.00877	0.01	%	87.7	85.0 - 11	5 Acceptable	
CBN	0.0103	0.01	%	103	85.0 - 11	5 Acceptable	
exo-THC	0.00872	0.01	%	87.2	85.0 - 11	5 Acceptable	
d9THC	0.00990	0.01	%	99.0	85.0 - 11	5 Acceptable	
d8THC	0.00974	0.01	%	97.4	85.0 - 11	5 Acceptable	
CBL	0.00891	0.01	%	89.1	85.0 - 11	5 Acceptable	
CBC	0.0100	0.01	%	100	85.0 - 11	5 Acceptable	
THCA	0.00968	0.01	%	96.8	85.0 - 11	5 Acceptable	
CBCA	0.00933	0.01	%	93.3	85.0 - 11	5 Acceptable	
CBLA	0.00910	0.01	%	91.0	85.0 - 11	5 Acceptable	
CBT	0.0103	0.01	%	103	85.0 - 11	5 Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	< LOQ	0.003	%	< 0.003	Acceptable	
CBDV	< LOQ	0.003	%	< 0.003	Acceptable	
CEE	< LOQ	0.003	%	< 0.003	Acceptable	
CBDA	< LOQ	0.003	%	< 0.003	Acceptable	
CBGA	< 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	
d8THCV	< LOQ	0.003	%	< 0.003	Acceptable	
THCVA	< LOQ	0.003	%	< 0.003	Acceptable	
CBN	< LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	< LOQ	0.003	%	< 0.003	Acceptable	
d9THC	< 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	
CBLA	< LOQ	0.003	%	< 0.003	Acceptable	
CBL	< 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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Received:

02/25/22 23:00

Revision: 1 Document ID: 7148 Legacy ID: Worksheet Validated 04/20/2021

			Labor	atory	Quality Co	ntrol Results		
JAOAC2015 \						h ID: 220178		
Sample Duplica		Sample ID: 22-002095-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.113	0.114	0.003	%	0.403	< 20	Acceptable	
CEE	0.162	0.163	0.003	%	0.462	< 20	Acceptable	
CBDA	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0932	0.0926	0.003	%	0.696	< 20	Acceptable	
CBD	17.0	17.1	0.003	%	0.794	< 20	Acceptable	
THCV	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0968	0.0972	0.003	%	0.332	< 20	Acceptable	
exo-THC	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.0432	0.0432	0.003	%	0.0593	< 20	Acceptable	
d8THC	0.00593	0.00457	0.003	%	25.8	< 20	Outlier	R
CBL	0.00919	0.00952	0.003	%	3.57	< 20	Acceptable	
CBC	0.187	0.189	0.003	%	1.04	< 20	Acceptable	
THCA	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	⊲LOQ	⊲LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.138	0.138	0.003	%	0.310	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL

RPD - Relative Percent Difference

LOQ - Limit of Quantitation

Units of Measure:

% - Percent

Page 7 of 8 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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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	Quantitaion level raised due to matrix interference.					
В	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.					

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