



 Report Number:
 22 

 Report Date:
 002969/D008.R000

 ORELAP#:
 03/21/2022

 Purchase Order:
 OR100028

 Received:
 03/15/22 14:19

Customer:	Healthy Roots
Product identity:	Citrus Puck #10.A
Client/Metrc ID:	
Laboratory ID:	22-002969-0004

### Summary

Analyte	Result	Limits	Units	Status	CBD-Total per 113g	116 mg/113g
CBC	0.00924		%			
CBD	0.101		%		THC-Total per 113g	3.97 mg/113g -
CBD-A	0.00195		%		The rotat per 115g	0177
CBG†	0.00114		%			
<u> А9</u> -ТНС	0.00351		%		(Reported in millig	rams per serving)
Analyte per 113g	Result	Limits	Units	Status		
<sup>†</sup> BC per 113g	10.		mg/113			
CBD per 113g	4		g			
CBD-A per 113g	114		mg/113		THE	
CBGper113g <sup>+</sup>	2.2		g		10	
Δ9 -THC per113g	0		в mg/113			
	1.2		<u>     4                               </u>			
	9		mg/113			
	3.9		g			
	7		s mg/113			
			g			



Healthy Roots

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



**Report Number:** 22-**Report Date: ORELAP#: Purchase Order: Received:** 

002969/D008.R000 03/21/2022 OR100028 03/15/22 14:19

Product identity:	Citrus Puck #10.A
Client/Metrc ID:	
Sample Date:	
Laboratory ID:	22-002969-0004
Evidence of Cooling:	No
Temp:	21.9 °C
Relinquished by:	client
Serving Size #1:	113 g

**Customer:** 

# Sample Results

Potency	Method J AOAC 2015 V98-6	(mod) Units %Batch:	2202295	Analyze: 3/17/22 10:56:00 AM
Analyte	Result Limits	Units	LOQ	Notes
CBC	0.00924	%	0.0007	
CBC-A†	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
CBC-Total †	0.00924	%	0.0012	
CBD	0.101	%	0.0007	
CBD-A	0.00195	%	0.0007	
CBD-Total	0.103	%	0.0012	
CBDV †	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
CBDV-A†	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
CBDV-Total †	<loq< td=""><td>%</td><td>0.0012</td><td></td></loq<>	%	0.0012	
CBE†	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
CBG†	0.00114	%	0.0007	
CBG-A †	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
BG-Total	<loq< td=""><td>%</td><td>0.0012</td><td></td></loq<>	%	0.0012	
BL†	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
CBL-A†	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
CBL-Total†	<loq< td=""><td>%</td><td>0.0012</td><td></td></loq<>	%	0.0012	
CBN	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
CBT†	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
V8-THCV	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
\8-THC†	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
19-THC	0.00351	%	0.0007	
THC-A	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
HC-Total	0.00351	%	0.0007	
THCV†	<loq< td=""><td>%</td><td></td><td></td></loq<>	%		
THCV-A†	<loq< td=""><td></td><td>0.0007</td><td></td></loq<>		0.0007	
THCV-Total†	<loq< td=""><td>%</td><td>0.0007</td><td></td></loq<>	%	0.0007	
TotalCannabinoids†	0.117	%	0.0012	
		%		

Potency per 113g	Method J AOA	C 2015 V98-6 (mod)	Analyze: 3/17/22 10:56:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per113g†	10.4		mg/113g	0.74	
CBC-Aper113g†	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
CBC-Total per113g†	10.4		mg/113g	0.74	
				9	Page 2 of 8
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Purchase Order: Received: 03/15/22 14:19

	Received: 03/	13/22 14.17			
Potency per 113g	Method J AOA	C 2015 V98-6 (m	od) <b>Units</b> mg/se <b>Batc</b>	<b>h:</b> 2202295 <b>Analyze:</b> 3	/17/22 10:56:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 113g	114		mg/113g	0.74	
CBD-A per 113g	2.20		mg/113g	9	
CBD-Total per 113g	116		mg/113g	0.74	
CBDV per113g <sup>†</sup>	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
CBDV-Aper113g <sup>+</sup>	<loq< td=""><td></td><td>mg/113g</td><td>1.41</td><td></td></loq<>		mg/113g	1.41	
CBDV-Total per113g†	<loq< td=""><td></td><td>mg/113g</td><td>0.74</td><td></td></loq<>		mg/113g	0.74	
CBE per113g†	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
CBGper113g <sup>†</sup>	1.29		mg/113g	0.74	
CBG-A per113g†	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
CBG-Totalper113g†	<loq< td=""><td></td><td></td><td></td><td></td></loq<>				
CBL per113g <sup>+</sup>	<loq< td=""><td></td><td>mg/113g</td><td>1.40</td><td></td></loq<>		mg/113g	1.40	
CBL-Aper113g†	<loq< td=""><td></td><td>mg/113g</td><td>0.74</td><td></td></loq<>		mg/113g	0.74	
CBL-Total per113g†	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
CBN per 113g	<loq< td=""><td></td><td>mg/113g</td><td>0.74</td><td></td></loq<>		mg/113g	0.74	
CBTper113g <sup>+</sup>	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
Δ8-THCV per113g <sup>†</sup>	<loq< td=""><td></td><td>mg/113g</td><td>0.74</td><td></td></loq<>		mg/113g	0.74	
$\Delta 8$ -THC per113g <sup>+</sup>	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
Δ9-THC per113g	3.97		mg/113g	1.40	
exo-THC per113g <sup>+</sup>	<loq< td=""><td></td><td>mg/113g</td><td>0.74</td><td></td></loq<>		mg/113g	0.74	
THC-A per 113g	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
THC-Total per 113g	3.97		mg/113g	0.74	
THCV per113g <sup>+</sup>	<loq< td=""><td></td><td>mg/113g</td><td>9</td><td></td></loq<>		mg/113g	9	
THCV-A per113g†	<loq <loq< td=""><td></td><td>mg/113g</td><td>1.41</td><td></td></loq<></loq 		mg/113g	1.41	
THCV-Totalper113g†	<loq <loq< td=""><td></td><td>mg/113g</td><td>0.74</td><td></td></loq<></loq 		mg/113g	0.74	
Total Cannabinoidsper113g	132		mg/113g	9	
Total carriabiliousper 113g	132		mg/113g	0.74	
			0, 0	9	
				0. <del>7</del> 4	
				9	
				0.74	
				9	
				0.74 9	
				9 0.74	
				9	
				0.74	
				9 1.41	
				0.74	
				0.74 9	
				0.74	
				9	
				9 1.41	

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12423 NE Whitaker WayReport Number:22-002969/D008.R000

## Purchase Order:

Received: 03/15/22 14:19



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.

<sup>†</sup> = Analyte not NELAP accredited.

#### Units of Measure

g = g mg/113g = Milligram per 113g % = Percentage of sample % wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner General Manager

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**Report Number:** 22-**Report Date: ORELAP#:** 03/21/2022 **Purchase Order:** OR100028 **Received:** 

002969/D008.R000 03/15/22 14:19

								1	OR100							
CHAIN OF CL Company: Healthy Roots Contact: Liz Merritt Address: 14325 NE Airpot Portland, OR 97 Email: Healthyrootshemp Phone: 503-496-2329 License: AG-L 1052211FP Billing (if different): Plass Add: Compliance & Hea	rt Way, # 230 @gmail.c	com	s – OR 59 compounds	esticide Multi-Residue – 379 compounds			Moisture & Water Activity	is Rec	Micro: Yeast and Mold	Micro: £.Coll and Total Collform	tals		obic Plate Count, Salmonella phylococcku, Pseudomoonas	Proje Pro Custom Report t Turnaroo	und time: 💽 S 🗌 3 🗌 2	* ETRC or  Other: Business Day Standard Turnaround Business Day Rush Turnaround* Business Day Rush Turnaround* Check for availability
ab ID Client Sample Identification	Date	Time	Pesticides	Pesticide	Potency	Residual Solvents	Moisture &	Terpenes	Micro: Yea	Micro: E.C	Heavy Metals	Mycotoxins	Other A erobic	Sampled Sample Type †	Weight (Units)	Comments/Metrc ID
Lavender BB #10.A Lavender Puck *10.A Citnus BB #10.A	3/15				~~~									TTT	200g 113g 200g	
Citrus Puck #10,A Rosemary BB #10.A Rosemary Puck #10,A				2	~									T	113g 200g	-1 <sup>24</sup>
Lemonghass BB#10,A Lemonghass Puch #10.	A				VV									TT	1139 2009 1139	Report in mg/gr and % (percentage
Relinquished By:	Date	Time			R	eceived	By:			D:	ate	Ti	me			∠ % (percentage

+ - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) the

Samples submitted to 4 12423 NE Whitaker Way Portland, OR 97230

Test

ed to Columbia La

ince with the current terms of service associated with this COC. By signing "Rela P: (503) 254-1794 / Fax: (503) 254-1452 ialaboratories.com infe@colu

you are agreeing to these terms Page \_\_\_\_\_of\_\_\_\_ www.columbialaboratories.com

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Report Number: Report Date: ORELAP#: Purchase Order: Received: 22-002969/D008.R000 03/21/2022 OR100028 03/15/22 14:19

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

J AOAC 2015 V		Lubor	atory Q	uality Co Bat	ch ID	:2202295		
Laboratory Cont		0.1				12. 31	E 1	N
Analyte	Result	Spike	Units	% Rec	1.0.0	Limits	Evaluation	Notes
CBDVA	0.0105	0.0	%	105	80.	- 12	Acceptable	
BDV	0.0108	1	%	108	0	- 0	Acceptable	
BDA	0.0104	0.0	70 %	104	80.	- 12	Acceptable	
BGA	0.0100	1	%	100	0	- 0	Acceptable Acceptable	
BGA	0.0102	1	%	102	80.	12		
				98.	0	- 0	Acceptable	
CBD	9	0.0	%	9	80	- 12	Acceptable	
THCV	0.0098	1	%	98.	0	- 0	Acceptable	
18THCV	9	0.0	%	9	80.	- 12	Acceptable	
THCVA	0.0105	1	%	105	0	- 0	Acceptable	
CBN	0.0102	0.0	%	102	80.	- 12	Acceptable	
exo-THC	0.0099	1	%	99.	0	- 0	Acceptable	
19THC	1	0.0	%	1	80.	- 12	Acceptable	
ISTHC	0.0102	1	%	102	0	- 0	Acceptable	
CBL	0.0093	0.0	%	93.	80.	- 12	Acceptable	
CBC	7	1	%	7	0	- 0	Acceptable	
THCA	0.0097	0.0	%	97	80.	- 12	Acceptable	
CBCA	3	1	%	3	0	- 0	Acceptable	
CBLA	0.0096	0.0	%	96.	80.	- 12	Acceptable	
CBT	6	1	%	6	0	- 0	Acceptable	
	0.0087	0.0		87.	80.	12		
	0	1		0	0	0		Q6
Analyte CBDVA	2 Result	600		Jnit <mark>s</mark>	-0	Limits 12 0.0006	Evaluation Acceptable	Notes
CBDVA	02100 02100 4.100	0,000		%100 %96.	80.	12	Acceptable	
CBE	4,100	6100			0	0 0000	Acceptable	
CBDA	4,100 0,000	0,080		% <sup>4</sup> %79.			Acceptable	
CRGA	4<100	01000		%4			Acceptable	
CBG	<100	60.0		%	00.	0 0006 12	Accentable	
CBD	< L00	0.000		%	0	0.0006 0	Acceptable	
THCV	< LOQ	6.0		%	80.	0.0006 12	Acceptable	
d8THCV	<100	0,000		%		0.0006	Acceptable	
THCVA	<100	60.0		%		0.0006 12	Acceptable	
CBN	<100	0,000		%	0	0.0006	Acceptable	
exo-THC	<100	61.00		%	80. 2	$\frac{12}{0.0006}$	Acceptable	
INTHC	<100	0.000		%	0	0.0006	Acceptable	
ISTIC	<100	0.00		%	80.	0.000/ 12	Acceptable	
CBL	<100	0,000		%	0	0.0006 0	Acceptable	
CBC	<100	6		%		0.0006	Acceptable	
THCA	<100	0.000		%		0.0006	Acceptable	
CBCA	<100	6		%		0.0006	Acceptable	
CBLA	< L00	0.000		%		0.0006	Acceptable	
CBT	<100	6		%		0.0006	Acceptable	
		0.000						
		6 0.000						
Abbreviations ND	-None Detected at or ab	6 ove MRL000						
RPD -	Relative Percent Differen Limit of Quantitation	nce 6 0.000 6						

Units of Measure: % - Percent

Test

6 0.000 6 0.000 6 0.000 6 0.000 6 0.000

6

0.000

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**Report Number: Report Date: ORELAP#: Purchase Order: Received:** 

22-002969/D008.R000 03/21/2022 OR100028 03/15/22 14:19

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

J AOAC 201 Sample Dupl						h ID:2202295 le ID: 22-0028		
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	< 100	< 100	0.00	%	NA	<20	Acceptable	
CBDV	< LŪŪ	< LŪŪ	3	%	NA	<20	Acceptable	_
CBE	< 100	< LOQ	0.00	%	NA	<20	Acceptable	
CBDA	<100	< LOQ	3	%	NA	<20	Acceptable	
CBGA	< 100	<100	0.00	96	NA	<20	Acceptable	
CBG	<100	<1.00	3	%	NA	<20	Acceptable	
CBD	< L00	< L00	0.00	%	NA	<20	Acceptable	
THCV	< L00	< L00	3	%	NA	<20	Acceptable	
d8THCV	0.0047	0.0047	0.00	%	0.775	<20	Acceptable	
THCVA	<b>8</b> < LOQ	5 < LOQ	3	%	NA	<20	Acceptable	
CBN	0.0030	< LOQ	0.00	%	NA	<20	Acceptable	
exo-THC	4 < LOQ	< LOQ	3	%	NA	<20	Acceptable	R2
d9THC	< 100	< 10Q	0.00	%	NA	<20	Acceptable	
d8THC	0.572	0.569	3	%	0.552	<20	Acceptable	
CBL	<100	< L00	0.00	%	NA	<20	Acceptable	
CBC	< 100	<100	3	%	NA	<20	Acceptable	
THCA	<100	<100	0.00	%	NA	<20	Acceptable	
CBCA	< L00	< L00	3	%	NA	<20	Acceptable	
CBLA	< L00	< LOQ	0.00	%	NA	<20	Acceptable	
CBT	< L00	< L00	3	%	NA	<20	Acceptable	
			0.00		1	1		
			3					
		· · · · · ·	0.00	1 I				

#### Abbreviations νIRΦ.00

3

0.00 3 0.00 0.00 3 0.00 3 0.00 3 0.00 3 0.00 3

ND -None Detected at or abov RPD -Relative Percent Difference LOQ -Limit of Quantitation	
Units of Measure:	
% - Percent	

Test

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 Report Number:
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 002969/D008.R000

 ORELAP#:
 03/21/2022

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 03/15/22 14:19

Explanation of QC Flag Comments:

Explanation
Matrix interferences affecting spike or surrogate recoveries.
Quality control result biased high. Only non-detect samples reported.
Quality control outside QC limits. Data considered estimate.
Sample concentration greater than four times the amount spiked.
Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Spike results above calibration curve.
Quality control outside QC limits. Data acceptable based on remaining QC.
Relative percent difference (RPD) outside control limit.
RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
Quantitation level raised due to low sample volume and/or dilution.
Quantitaion level raised due to matrix interference.
Analyte detected in method blank, but not in associated samples.
The sample concentration is greater than 5 times the blank concentration.
The sample concentration is less than 5 times the blank concentration.

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