



Report Number: 22-003979/D002.R000

Report Date: 04/13/2022 ORELAP#: OR100028

Purchase Order:

04/07/22 15:56 Received:

Customer: Healthy Roots #199v1, 500 Pet Product identity:

Client/Metrc ID:

Laboratory ID: 22-003979-0001

Summary

Potence	, -
	•

Analyte	Result	Limits	Units	Status	CBD-Total per 28.5g	522 mg/28.5g		
CBC	0.0397		%					
CBD	1.83		%		 			
CBDV [†]	0.00970		%		THC-Total per 28.5g	16.2 mg/28.5g		
CBG [†]	0.0103		%		(Reported in milligrams per serving)			
CBN	0.00470		%					
CBT [†]	0.0212		%					
Δ9-THC	0.0569		%					
Analyte per 28.5g	Result	Limits	Units	Status				
CBC per 28.5g [†]	11.3		mg/28.5g					
CBD per 28.5g	522		mg/28.5g					
CBDV per 28.5g [†]	2.76		mg/28.5g					
CBG per 28.5g [†]	2.94		mg/28.5g					
CBN per 28.5g	1.34		mg/28.5g					
CBT per 28.5g [†]	6.04		mg/28.5g					
Δ9-THC per 28.5g	16.2		mg/28.5g					





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Customer: Healthy Roots

Product identity: #199v1, 500 Pet

Client/Metrc ID:

Sample Date:

Laboratory ID: 22-003979-0001

Evidence of Cooling: No
Temp: 22.3 °C
Relinquished by: Client
Serving Size #1: 28.5 g

Sample Results

Potency	Method J AOAC 201	5 V98-6 (mod)	Units %	Batch: 2203086	Analyze: 4/9/22	4:07:00 AM
Analyte	Result I	_imits	Units	LOQ		Notes
CBC	0.0397		%	0.0033		
CBC-A [†]	< LOQ		%	0.0033		
CBC-Total [†]	0.0397		%	0.0061		
CBD	1.83		%	0.0327		
CBD-A	< LOQ		%	0.0033		
CBD-Total	1.83		%	0.0356		
CBDV [†]	0.00970		%	0.0033		
CBDV-A [†]	< LOQ		%	0.0033		
CBDV-Total [†]	0.00970		%	0.0061		
CBE [†]	< LOQ		%	0.0033		
CBG [†]	0.0103		%	0.0033		
CBG-A [†]	< LOQ		%	0.0033		
CBG-Total	0.0103		%	0.0061		
CBL [†]	< LOQ		%	0.0033		
CBL-A [†]	< LOQ		%	0.0033		
CBL-Total [†]	< LOQ		%	0.0061		
CBN	0.00470		%	0.0033		
CBT [†]	0.0212		%	0.0033		
Δ8-THCV	< LOQ		%	0.0033		
$\Delta 8\text{-THC}^{\dagger}$	< LOQ		%	0.0033		
Δ9-THC	0.0569		%	0.0033		
THC-A	< LOQ		%	0.0033		
THC-Total	0.0569		%	0.0061		
THCV [†]	< LOQ		%	0.0033		
THCV-A [†]	< LOQ		%	0.0033		
THCV-Total [†]	< LOQ		%	0.0061		
Total Cannabinoids [†]	1.97		%			

Potency per 28.5g	Method J AOA	C 2015 V98-6 (m	od) Units mg/se Bat	ch: 2203086	Analyze: 4/9/22 4:07:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 28.5g [†]	11.3		mg/28.5g	0.933	
CBC-A per 28.5g [†]	< LOQ		mg/28.5g	0.933	

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Potency per 28.5g	Method J AOA	AC 2015 V98-6 (mod) Units mg/se B	Satch: 2203086	Analyze: 4/9/22 4:07:00 AM
Analyte	Result	Limits Units	LOQ	Notes
CBC-Total per 28.5g [†]	11.3	mg/28.5g	1.75	
CBD per 28.5g	522	mg/28.5g	9.33	
CBD-A per 28.5g	< LOQ	mg/28.5g	0.933	
CBD-Total per 28.5g	522	mg/28.5g	10.2	
CBDV per 28.5g [†]	2.76	mg/28.5g	0.933	
CBDV-A per 28.5g [†]	< LOQ	mg/28.5g	0.933	
CBDV-Total per 28.5g [†]	2.76	mg/28.5g	1.74	
CBE per 28.5g [†]	< LOQ	mg/28.5g	0.933	
CBG per 28.5g [†]	2.94	mg/28.5g	0.933	
CBG-A per 28.5g [†]	< LOQ	mg/28.5g	0.933	
CBG-Total per 28.5g [†]	2.94	mg/28.5g	1.74	
CBL per 28.5g [†]	< LOQ	mg/28.5g	0.933	
CBL-A per 28.5g [†]	< LOQ	mg/28.5g	0.933	
CBL-Total per 28.5g [†]	< LOQ	mg/28.5g	1.75	
CBN per 28.5g	1.34	mg/28.5g	0.933	
CBT per 28.5g [†]	6.04	mg/28.5g	0.933	
$\Delta 8$ -THCV per 28.5g †	< LOQ	mg/28.5g	0.933	
$\Delta 8$ -THC per 28.5g †	< LOQ	mg/28.5g	0.933	
$\Delta 9$ -THC per 28.5g	16.2	mg/28.5g	0.933	
exo-THC per 28.5g [†]	< LOQ	mg/28.5g	0.933	
THC-A per 28.5g	< LOQ	mg/28.5g	0.933	
THC-Total per 28.5g	16.2	mg/28.5g	1.75	
THCV per 28.5g [†]	< LOQ	mg/28.5g	0.933	
THCV-A per 28.5g [†]	< LOQ	mg/28.5g	0.933	
THCV-Total per 28.5g [†]	< LOQ	mg/28.5g	1.75	
Total Cannabinoids per 28.5g	562	mg/28.5g		





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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, 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 = g mg/28.5g = Milligram per 28.5g% = Percentage of sample % wt = $\mu g/g$ divided by 10,000

Approved Signatory

Derrick Tanner General Manager





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22-003979/D002.R000

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04/13/2022

ORELAP#:

OR100028

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04/07/22 15:56



Hemp / Cannabis Usable / Extract / Finished Products **Chain of Custody Record**

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021 ORELAP ID: OR100028

			Т													
CHAIN OF C Company: Healthy Root Contact: Liz Merritt Address: 14325 NE Airp Portland, OR S Email: Healthyrootshem Phone: 503-496-2329 License: AG-L 1052211F Billing (if different): Rease Add: Compliance OHe Bb Client Sample Identification	ort Way, #: 97230 np@gmail.c	com	les – OR 59 compounds	Pesticide Multi-Residue – 379 compounds		Residual Solvents	Moisture & Water Activity	is Req	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	letals	ins	erobic Plate Count, Salmonella taphylococcus, Pseudomoonas	Proje Pro Custom Report t Turnarou	Reporting: to State - ☐ ME und time: ☑ 5 ☐ 3 ☐ 2	IRC or □ Other: Business Day Standard Turnaround Business Day Rush Turnaround* Business Day Rush Turnaround* Check for availability
Client Sample Identification #199v 1, 500 Pet	Date 4/ 7	Time	Pesticio	Pesticio	Potency	Residua	Moistur	Terpenes	Micro:)	Micro: 6	Heavy Metals	Mycotoxins	otherta	Sample Type †	Weight (Units)	Comments/Metrc ID
								,			7.5				11/11	Report in mg/gr and % (percentage
Relinquished By:	Date	Time	-		D.	xeived	D.			1-						% (percentage
methon	-	2-3pm			/	A	Cy.			Фа 4-			me -56	Evidence Sample i Cash	of cooling: Y	Lab Use Only: or Acclient drop es (An No - Temp (°C): 22.3 no Yay Yes No





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Report Date: 04/13/2022 ORELAP#: OR100028

Purchase Order:

Received: 04/07/22 15:56

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

Laboratory Quality Control Results

J AOAC 2015 V	798-6	Batch ID: 2203086							
Laboratory Con	itrol Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes		
CBDVA	0.0345	0.033	%	103	80.0 - 120	Acceptable			
CBDV	0.0373	0.033	%	112	80.0 - 120	Acceptable			
CEE	0.0341	0.033	%	102	80.0 - 120	Acceptable			
CBDA	0.0326	0.033	%	97.8	90.0 - 110	Acceptable			
CBGA	0.0333	0.033	%	99.9	80.0 - 120	Acceptable			
CBG	0.0336	0.033	%	101	80.0 - 120	Acceptable			
CBD	0.0333	0.033	%	99.9	90.0 - 110	Acceptable			
THCV	0.0354	0.033	%	106	80.0 - 120	Acceptable			
d8THCV	0.0347	0.033	%	104	80.0 - 120	Acceptable			
THCVA	0.0335	0.033	%	100	80.0 - 120	Acceptable			
CBN	0.0359	0.033	%	108	90.0 - 110	Acceptable			
exo-THC	0.0329	0.033	%	98.6	80.0 - 120	Acceptable			
d9THC	0.0346	0.033	%	104	90.0 - 110	Acceptable			
d8THC	0.0347	0.033	%	104	90.0 - 110	Acceptable			
CBL	0.0328	0.033	%	98.3	80.0 - 120	Acceptable			
CBC	0.0363	0.033	%	109	80.0 - 120	Acceptable			
THCA	0.0321	0.033	%	96.2	90.0 - 110	Acceptable			
CBCA	0.0350	0.033	%	105	80.0 - 120	Acceptable			
CBLA	0.0341	0.033	%	102	80.0 - 120	Acceptable			
CBT	0.0332	0.033	%	99.7	80.0 - 120	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	
CBT	< 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: 1 Document ID: 7148 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015	V98-6				Bate	atch ID: 2203086					
Sample Dupli	cate		Sample ID: 22-003903-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes			
CBDVA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable				
CBDV	0.0258	0.0267	0.003	%	3.59	< 20	Acceptable				
CEE	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable				
CBDA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable				
CBGA	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable				
CBG	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable				
CBD	5.41	5.30	0.003	%	2.18	< 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	0.240	0.238	0.003	%	1.24	< 20	Acceptable				
exo-THC	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable				
d9THC	0.00445	0.00460	0.003	%	3.34	< 20	Acceptable				
d8THC	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable				
CB.	< 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				
CB.A	< LOQ	< LOQ	0.003	%	NA	< 20	Acceptable				
CBT	< LOQ	0.00370	0.003	%	NA	< 20	Acceptable	R2			

Abbreviations

ND - None Detected at or above MRL RPD - Relative Percent Difference LOQ - Limit of Quantitation

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	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.