



**Report Number:** 21-002732/D03.R02

**Report Date:** 03/19/2021 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 03/15/21 14:46

This is an amended version of report# 21-002732/D03.R01.

Reason: Updated reporting units.

**Customer:** Healthy Roots **Product identity:** #136, 200 Pet

Client/Metrc ID:

**Laboratory ID:** 21-002732-0002

# Summary

# Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 31g	202 mg/31g
CBC	0.0185		%			
CBD	0.652		%		THO Takaha a saka	0.61 mg/21g
CBDV <sup>†</sup>	0.00386		%		THC-Total per 31g	9.61 mg/31g
CBG <sup>†</sup>	0.00521		%		(Reported in milligra	eme per serving)
Δ9-THC	0.0310		%		(Neported in milligre	ans per serving)
Analyte per 31g	Result	Limits	Units	Status		
CBC per 31g <sup>†</sup>	5.74		mg/31g			
CBD per 31g	202		mg/31g			
CBDV per 31g <sup>†</sup>	1.20		mg/31g			
CBG per 31g <sup>†</sup>	1.62		mg/31g			
Δ9-THC per 31g	9.61		mg/31g			





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**Customer:** Healthy Roots

Product identity: #136, 200 Pet

Client/Metrc ID: .

Sample Date:

**Laboratory ID:** 21-002732-0002

Evidence of Cooling: No
Temp: 13.3 °C
Serving Size #1: 31 g

# **Sample Results**

Potency	Method J AOAC 2	2015 V98-6 (mod)	Units %	Batch: 2102362	<b>Analyze:</b> 3/16/21 9:48:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0185		%	0.0031	
CBC-A <sup>†</sup>	< LOQ		%	0.0031	
CBC-Total <sup>†</sup>	0.0185		%	0.0059	
CBD	0.652		%	0.0031	
CBD-A	< LOQ		%	0.0031	
CBD-Total	0.652		%	0.0059	
CBDV <sup>†</sup>	0.00386		%	0.0031	
CBDV-A <sup>†</sup>	< LOQ		%	0.0031	
CBDV-Total <sup>†</sup>	< LOQ		%	0.0059	
CBG <sup>†</sup>	0.00521		%	0.0031	
CBG-A <sup>†</sup>	< LOQ		%	0.0031	
CBG-Total	< LOQ		%	0.0059	
CBL <sup>†</sup>	< LOQ		%	0.0031	
CBN	< LOQ		%	0.0031	
$\Delta 8 ext{-THC}^\dagger$	< LOQ		%	0.0031	
Δ9-THC	0.0310		%	0.0031	
THC-A	< LOQ		%	0.0031	
THC-Total	0.0310		%	0.0059	
THCV <sup>†</sup>	< LOQ		%	0.0031	
THCV-A <sup>†</sup>	< LOQ		%	0.0031	
THCV-Total <sup>†</sup>	< LOQ		%	0.0059	
Total Cannabinoids <sup>↑</sup>	0.711		%		

Potency per 31g	Method J AOA	C 2015 V98-6 (m	nod) <b>Units</b> mg/se <b>Ba</b>	atch: 2102362	<b>Analyze:</b> 3/16/21 9:48:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 31g <sup>†</sup>	5.74		mg/31g	0.976	
CBC-A per 31g <sup>†</sup>	< LOQ		mg/31g	0.0315	
CBC-Total per 31g <sup>†</sup>	5.74		mg/31g	1.83	
CBD per 31g	202		mg/31g	0.976	
CBD-A per 31g	< LOQ		mg/31g	0.0315	
CBD-Total per 31g	202		mg/31g	1.83	
CBDV per 31g <sup>†</sup>	1.20		mg/31g	0.976	
CBDV-A per 31g <sup>†</sup>	< LOQ		mg/31g	0.0315	

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Potency per 31g	Method J AOA	AC 2015 V98-6 (m	nod) <b>Units</b> mg/se <b>Ba</b>	atch: 2102362	<b>Analyze:</b> 3/16/21 9:48:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 31g <sup>†</sup>	< LOQ		mg/31g	1.82	
CBG per 31g <sup>†</sup>	1.62		mg/31g	0.976	
CBG-A per 31g <sup>†</sup>	< LOQ		mg/31g	0.0315	
CBG-Total per 31g <sup>†</sup>	< LOQ		mg/31g	1.82	
CBL per 31g <sup>†</sup>	< LOQ		mg/31g	0.0315	
CBN per 31g	< LOQ		mg/31g	0.0315	
Δ8-THC per 31g <sup>†</sup>	< LOQ		mg/31g	0.0315	
Δ9-THC per 31g	9.61		mg/31g	0.976	
THC-A per 31g	< LOQ		mg/31g	0.0315	
THC-Total per 31g	9.61		mg/31g	1.83	
THCV per 31g <sup>†</sup>	< LOQ		mg/31g	0.0315	
THCV-A per 31g <sup>†</sup>	< LOQ		mg/31g	0.0315	
THCV-Total per 31g <sup>†</sup>	< LOQ		mg/31g	0.0591	
Total Cannabinoids 31g <sup>†</sup>	220		mg/31g		





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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/31g = Milligram per 31g% = Percentage of sample % wt =  $\mu g/g$  divided by 10,000

Approved Signatory

Derrick Tanner General Manager





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**Report Date:** 

03/19/2021

ORELAP#:

OR100028

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21-002732

03/15/21 14:46

**PIXIS** Labs Healthy Roots rtland OR 97230 p.503-254-1794 Cannabis Chain of Custody Record 12 ORELAP ID: OR100028 Cc CHAIN OF CUSTODY
Company: Healthy Roots
Contact: Liz Merritt
Address: 14325 NE Airport Way, #113
Portland, OR 97230
Fmail: Havilland CR 97230 **Analysis Requested** Purchase Order Number: License: AG-L 1052211FP Email: Healthyrootshemp@gmail.com Phone: 503-496-2329 Project Number: Pesticide Multi-Residue – 379 compounds Cit En Ph Project Name: Micro: E.Coli and Total Coliform ☐ Report Instructions: Pesticides – OR 59 compounds ☐ Send to State - METRC Fax: ☐ Email Final Results: Micro: Yeast and Mold ☐ Fax Final Results Bill ☐ Cash/Check/CC/Net 30 Pro Residual Solvents Lic Water Activity Other: Heavy Metals Mycotoxins Moisture Terpenes Potency Serving Other size Sample Cc Healthy Roots Date/Time Collected Client Sample Identification Weight for edibles Туре =135, 1000 Berry (percentage) Report in mg/gr and 1 gr 3 #137, 800 Pet 1 gr Collected By: Lab Use Only: Relinquished By: Date Time Received by: Time Client Alias: Turnaround time: Ask for availability 2:30 14.46 TB Jason Merritt Order Number: Proper Container ☐ Standard (5 day) Sample Condition ☐ Rush (3-4 day) Temperature: /3,3 (1.5x Standard) Shipped Via: Client ☐ Priority Rush (2 day) (2x Standard) Evidence of cooling:

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
SOSIMISSION OF SAME LES WITH TESTING REQUIREMENTS TO FINE STEED OF THE STAND OF THE

evision: 3.00 Control#: CF023	www.pixislabs.com
ffective 05/22/2019 Revised 05/22/2019	www.columbiafoodlab.com

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03/19/2021 Report Date: ORELAP#: OR100028

**Purchase Order:** 

Received: 03/15/21 14:46

Revision #: 0.00 Control : CFL-D06 Revision Date: 05/31/2019 Effective Date: 05/31/2019

### **Laboratory Quality Control Results**

J AOAC 2015 V			Bat	ch ID: 2102362			
Laboratory Cor	ntrol Sample						
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBDV	0.0106	0.01	%	106	85.0 - 115	Acceptable	
CBD-A	0.00987	0.01	%	98.7	85.0 - 115	Acceptable	
CBG-A	0.0103	0.01	%	103	85.0 - 115	Acceptable	
CBG	0.0105	0.01	%	105	85.0 - 115	Acceptable	
CBD	0.00968	0.01	%	96.8	85.0 - 115	Acceptable	
THCV	0.0105	0.01	%	105	85.0 - 115	Acceptable	
THCVA	0.0100	0.01	%	100	85.0 - 115	Acceptable	
CBN	0.0110	0.01	%	110	85.0 - 115	Acceptable	
THC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
D8THC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBL	0.0104	0.01	%	104	85.0 - 115	Acceptable	
CBC	0.0107	0.01	%	107	85.0 - 115	Acceptable	
THCA	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBCA	0.0109	0.01	%	109	85.0 - 115	Acceptable	

#### Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBDV	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBD-A	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBG-A	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBG	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBD	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCV	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCVA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBN	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
D8THC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBL	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBCA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></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: 03/15/21 14:46

Revision #: 0.00 Control : CFL-D06 Revision Date: 05/31/2019 Effective Date: 05/31/2019

# Laboratory Quality Control Results

J AOAC 2015	V98-6				Bate	ch ID: 2102362	1	
Sample Dupli	cate	Sample ID: 21-002152-0001-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBDV	0.0430	0.0431	0.003	%	0.179	< 20	Acceptable	
CBD-A	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBG-A	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBG	0.111	0.111	0.003	%	0.424	< 20	Acceptable	
CBD	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
THCVA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBN	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
THC	0.251	0.252	0.003	%	0.288	< 20	Acceptable	
D8THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBL	0.0152	0.0161	0.003	%	5.8	< 20	Acceptable	
CBC	0.306	0.307	0.003	%	0.43	< 20	Acceptable	
THCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBCA	<l0q< td=""><td><l0q< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></l0q<>	0.003	%	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	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.						