



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



Report Number: 21-001347/D02.R00
Report Date: 02/11/2021
ORELAP#: OR100028
Purchase Order:
Received: 02/05/21 16:00

Customer: Healthy Roots
Product identity: Travel Root Butter #129
Client/Metric ID: .
Laboratory ID: 21-001347-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 5g	101 mg/5g
CBC	0.0156		%			
CBC-A†	0.0298		%			
CBD	1.55		%		THC-Total per 5g	1.43 mg/5g
CBD-A	0.530		%			
CBDV†	0.00886		%			
CBG†	0.0118		%			
CBG-A†	0.0223		%			
Δ9-THC	0.0218		%			
THC-A	0.00777		%			
					(Reported in milligrams per serving)	
Analyte per 5g	Result	Limits	Units	Status		
CBC per 5g†	0.780		mg/5g			
CBC-A per 5g†	1.49		mg/5g			
CBD per 5g	77.5		mg/5g			
CBD-A per 5g	26.5		mg/5g			
CBDV per 5g†	0.443		mg/5g			
CBG per 5g†	0.590		mg/5g			
CBG-A per 5g†	1.12		mg/5g			
Δ9-THC per 5g	1.09		mg/5g			
THC-A per 5g	0.389		mg/5g			



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Customer: Healthy Roots

Product identity: Travel Root Butter #129
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-001347-0001
Temp: 19.6 °C
Serving Size #1: 5 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Batch: 2101286	Analyze: 2/9/21 7:51:00 PM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0156		%	0.0033	
CBC-A†	0.0298		%	0.0033	
CBC-Total†	0.0417		%	0.0062	
CBD	1.55		%	0.0328	
CBD-A	0.530		%	0.0033	
CBD-Total	2.01		%	0.0357	
CBDV†	0.00886		%	0.0033	
CBDV-A†	< LOQ		%	0.0033	
CBDV-Total†	0.00886		%	0.0061	
CBG†	0.0118		%	0.0033	
CBG-A†	0.0223		%	0.0033	
CBG-Total	0.0314		%	0.0061	
CBL†	< LOQ		%	0.0033	
CBN	< LOQ		%	0.0033	
Δ8-THC†	< LOQ		%	0.0033	
Δ9-THC	0.0218		%	0.0033	
THC-A	0.00777		%	0.0033	
THC-Total	0.0286		%	0.0062	
THCV†	< LOQ		%	0.0033	
THCV-A†	< LOQ		%	0.0033	
THCV-Total†	< LOQ		%	0.0061	
Total Cannabinoids†	2.20		%		

Potency per 5g	Method J AOAC 2015 V98-6 (mod)	Batch: 2101286	Analyze: 2/9/21 7:51:00 PM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 5g†	0.780		mg/5g	0.164	
CBC-A per 5g†	1.49		mg/5g	0.164	
CBC-Total per 5g†	2.09		mg/5g	0.308	
CBD per 5g	77.5		mg/5g	1.64	
CBD-A per 5g	26.5		mg/5g	0.164	
CBD-Total per 5g	101		mg/5g	1.78	
CBDV per 5g†	0.443		mg/5g	0.164	
CBDV-A per 5g†	< LOQ		mg/5g	0.164	
CBDV-Total per 5g†	0.443		mg/5g	0.306	



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Potency per 5g					
Method J AOAC 2015 V98-6 (mod) Batch: 2101286 Analyze: 2/9/21 7:51:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes
CBG per 5g [†]	0.590		mg/5g	0.164	
CBG-A per 5g [†]	1.12		mg/5g	0.164	
CBG-Total per 5g [†]	1.56		mg/5g	0.306	
CBL per 5g [†]	< LOQ		mg/5g	0.164	
CBN per 5g	< LOQ		mg/5g	0.164	
Δ8-THC per 5g [†]	< LOQ		mg/5g	0.164	
Δ9-THC per 5g	1.09		mg/5g	0.164	
THC-A per 5g	0.389		mg/5g	0.164	
THC-Total per 5g	1.43		mg/5g	0.308	
THCV per 5g [†]	< LOQ		mg/5g	0.164	
THCV-A per 5g [†]	< LOQ		mg/5g	0.164	
THCV-Total per 5g [†]	< LOQ		mg/5g	0.308	
Total Cannabinoids 5g[†]	110		mg/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

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/5g = Milligram per 5g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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CHAIN OF CUSTODY

Company: Healthy Roots
Contact: Liz Merritt
Address: 14325 NE Airport Way, #113
Portland, OR 97230
Email: Healthyrootshemp@gmail.com
Phone: 503-496-2329
License: AG-L1052211FP



Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

HEALTHYROOTS 21-001347



Healthy Roots

PIXIS Labs
A Tentamus Company

ID: OR100028

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:

Client Sample Identification

(Travel Root Butter #129)

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

C

Report in mg/gr and % (percentage)

D

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)	Veson M	1-5-21	4:00	Jmu	1-5-21	16:00	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

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JS 2/18/21



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Report Number: 21-001347/D02.R00
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Purchase Order:
Received: 02/05/21 16:00

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

Laboratory Quality Control Results

JAOAC2015 V986				Batch ID: 2101286					
Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	0.0101	0.01	%	101	85.0	- 115	Acceptable		
CBDV	0.0102	0.01	%	102	85.0	- 115	Acceptable		
CBD-A	0.0101	0.01	%	101	85.0	- 115	Acceptable		
CBS-A	0.0100	0.01	%	100	85.0	- 115	Acceptable		
CBS	0.0103	0.01	%	103	85.0	- 115	Acceptable		
CBD	0.0101	0.01	%	101	85.0	- 115	Acceptable		
THCV	0.00990	0.01	%	99.0	85.0	- 115	Acceptable		
THCVA	0.00953	0.01	%	95.3	85.0	- 115	Acceptable		
CBN	0.0107	0.01	%	107	85.0	- 115	Acceptable		
THC	0.0103	0.01	%	103	85.0	- 115	Acceptable		
D8THC	0.0104	0.01	%	104	85.0	- 115	Acceptable		
CBL	0.00946	0.01	%	94.6	85.0	- 115	Acceptable		
CBC	0.0104	0.01	%	104	85.0	- 115	Acceptable		
THCA	0.0102	0.01	%	102	85.0	- 115	Acceptable		
CBCA	0.00997	0.01	%	99.7	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		
CBS-A	<LOQ	0.003	%	< 0.003	Acceptable		
CBS	<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		
CBC	<LOQ	0.003	%	< 0.003	Acceptable		
THCA	<LOQ	0.003	%	< 0.003	Acceptable		
CBCA	<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: 2101286			
Sample Duplicate					Sample ID: 21-001347-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.00886	0.0100	0.003	%	12.2	< 20	Acceptable	
CBD-A	0.530	0.591	0.003	%	10.8	< 20	Acceptable	
CBG-A	0.0223	0.0250	0.003	%	11.3	< 20	Acceptable	
CBG	0.0118	0.0131	0.003	%	10.5	< 20	Acceptable	
CBD	1.55	1.68	0.003	%	8.2	< 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	0.0218	0.0228	0.003	%	4.4	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.0156	0.0176	0.003	%	12.1	< 20	Acceptable	
THCA	0.00777	0.00880	0.003	%	12.4	< 20	Acceptable	
CBGA	0.0298	0.0326	0.003	%	8.92	< 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	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.