



20-007870/D03.R00 **Report Number: Report Date:** 07/31/2020 **ORELAP#:** OR100028 **Purchase Order: Received:** 07/28/20 13:29

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Customer:	Healthy Roots
Product identity:	#0097 Travel Root Butter
Client/Metrc ID:	
Laboratory ID:	20-007870-0001

Summary

Analyte	Result	Limits	Units	Status	CBD-Total per 5g	97.7 mg/5g
CBC	0.0127		%			
CBC-A [†]	0.0386		%			
CBD	1.33		%		THC-Total per 5g	1.55 mg/5g
CBD-A	0.711		%			grams per serving)
CBDV [†]	0.00475		%			grams per serving/
CBDV-A [†]	0.00474		%			
CBG [†]	0.0101		%			
CBG-A [†]	0.0304		%			
∆9-THC	0.0165		%			
THC-A	0.0165		%			
Analyte per 5g	Result	Limits	Units	Status		
CBC per 5g	0.635		mg/5g			
CBC-A per 5g	1.93		mg/5g			
CBD per 5g	66.5		mg/5g			
CBD-A per 5g	35.6		mg/5g			
CBDV per 5g	0.238		mg/5g			
CBDV-A per 5g	0.237		mg/5g			
CBG per 5g	0.505		mg/5g			
CBG-A per 5g	1.52		mg/5g			
∆9-THC per 5g	0.825		mg/5g			
THC-A per 5g	0.825		mg/5g			

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ORELAP#:	OR100028
Purchase Order:	
Received:	07/28/20 13:29

Customer:

Healthy Roots

Product identity:	#0097 Travel Root Butter
Client/Metrc ID:	
Sample Date:	
Laboratory ID:	20-007870-0001
Evidence of Cooling:	No
Temp:	28 °C

Sample Results

Potency	Method J AOAC	2015 V98-6 (mod)	Batch: 2006265		Analyze: 7/30/20 1:59:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0127		%	0.0032	
CBC-A [†]	0.0386		%	0.0032	
CBC-Total [†]	0.0466		%	0.0061	
CBD	1.33		%	0.0325	
CBD-A	0.711		%	0.0032	
CBD-Total	1.95		%	0.0353	
CBDV [†]	0.00475		%	0.0032	
CBDV-A [†]	0.00474		%	0.0032	
CBDV-Total [†]	0.00886		%	0.0061	
CBG [†]	0.0101		%	0.0032	
CBG-A [†]	0.0304		%	0.0032	
CBG-Total	0.0368		%	0.0061	
CBL [†]	< LOQ		%	0.0032	
CBN	< LOQ		%	0.0032	
$\Delta 8$ -THC [†]	< LOQ		%	0.0032	
Δ9-THC	0.0165		%	0.0032	
THC-A	0.0165		%	0.0032	
THC-Total	0.0310		%	0.0061	
THCV [†]	< LOQ		%	0.0032	
THCV-A [†]	< LOQ		%	0.0032	
THCV-Total [†]	< LOQ		%	0.0061	
Total Cannabinoids [†]	2.18		%		

Potency per 5g	Method J AOA	AC 2015 V98-6 (mod)	Batch: 2006265		Analyze: 7/30/20 1:59:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 5g	0.635		mg/5g	0.162	
CBC-A per 5g	1.93		mg/5g	0.162	
CBC-Total per 5g	2.33		mg/5g	0.305	
CBD per 5g	66.5		mg/5g	1.62	
CBD-A per 5g	35.6		mg/5g	0.162	
CBD-Total per 5g	97.7		mg/5g	1.77	
CBDV per 5g	0.238		mg/5g	0.162	
CBDV-A per 5g	0.237		mg/5g	0.162	
CBDV-Total per 5g	0.443		mg/5g	0.303	

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Potency per 5g	Method J AOA	AC 2015 V98-6 (mod)	Batch: 2006265		Analyze: 7/30/20 1:59:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBG per 5g	0.505		mg/5g	0.162	
CBG-A per 5g	1.52		mg/5g	0.162	
CBG-Total per 5g	1.82		mg/5g	0.303	
CBL per 5g	< LOQ		mg/5g	0.162	
CBN per 5g	< LOQ		mg/5g	0.162	
$\Delta 8$ -THC per 5g	< LOQ		mg/5g	0.162	
$\Delta 9$ -THC per 5g	0.825		mg/5g	0.162	
THC-A per 5g	0.825		mg/5g	0.162	
THC-Total per 5g	1.55		mg/5g	0.305	
THCV per 5g	< LOQ		mg/5g	0.162	
THCV-A per 5g	< LOQ		mg/5g	0.162	
THCV-Total per 5g	< LOQ		mg/5g	0.305	
Total Cannabinoids 5g [†]	109		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 = $\mu g/g$ divided by 10,000

Approved Signatory

Derrick Tanner General Manager

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



Report Number:	20-007870/D03.R00
Report Date:	07/31/2020
ORELAP#:	OR100028
Purchase Order:	
Received:	07/28/20 13:29

	1242 Il callthy Roots In Force Sector Our Roots Run Deep	and Of	R 9723(0 p.503	3-254-	1794	Са	nnal	ois Cl				THYR	DOTS		20-007870				A Tentamus (Lab	S
	Company: Healthy Roots Contact: Liz Merritt Address: 14325 NE Airpo Portland, OR 97 Email: Healthyrootshemp Phone: 503-496-3229 License: AG-L 1052211FP Contact Age Contact Age Contact Age Contact Contact Age Contact Age Co				compounds					A	nalys		atthy R	_{oots}					-	Number:	Number: :	
	CHAIN OF CUSTODY Company: Haithy Roots Contact: Liz Merritt Address: 14325 NE Airport Way, #113 Portland, OR 97230 Email: Healthytootshemp@gmail.com Phone: S03-496-2321 License: AG-L 1052211FP License: AG-L 1052211FP	Fax:		– OR 59 compounds	Pesticide Multi-Residue – 379 co		lvents	vity			Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	als	s				÷	□ Send f □ Email □ Fax Fi	Final Re inal Resu	- METRC sults:	
	Client Sample Identification	Date/ Colle	Time cted	Pesticides -	Pesticide N	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeas	Micro: E.C	Heavy Metals	Mycotoxins	Other	Sample Type		Serving size for edibles	5 Cc 1	lealthy I	Roots	
	# 0097 Travel Root But	r				\checkmark											Sgr			0		
2	#0049-3000 citrus					\checkmark											28.54	-	5	1) 6	R-	
											_									a	epo	
																				and % (percentage)	Report in mg/gr	
																				tag	. <u>В</u> . –	
																				e)	-	
	Collected By:	Relinqu	uished B	Зу:			Date		Time	9	Rece	ived by	<i>'</i> :			Date	Tir		b Use On ent Alias:			
	Turnaround time: Ask for availability □Standard (5 day)	NAC	m	PN	M	t	7/2	182	01	:91	pm	<u> </u>	6	5		7.	28	329 Pro	der Num oper Con	ber: tainer	27.0	8
	Rush (3-4 day)																		mple Con mperatur			
	(1.5x Standard) Priority Rush (2 day)																		ipped Via			
	(2x Standard)																	EV	idence of	cooling	:	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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Report Date:	07/31/2020
ORELAP#:	OR100028
Purchase Order:	
Received:	07/28/20 13:29

Revision #: 0.00 Control : CFL-D06

Revision Date: 05/31/2019 Effective Date: 05/31/2019

	Laboratory Quality Control Results													
J AOAC 2015	5 V98-6				Bat	ch ID: 200	06265							
Laboratory C	Control Sample													
Analyte	Result		Spike	Units	% Rec	Limi	ts	Evaluation	Notes					
CBDV-A	0.00993		0.01	%	99.3	85.0 -	115	Acceptable						
CBDV	0.0100		0.01	%	100	85.0 -	115	Acceptable						
CBD-A	0.0102		0.01	%	102	85.0 -	115	Acceptable						
CBG-A	0.00983		0.01	%	98.3	85.0 -	115	Acceptable						
CBG	0.00974		0.01	%	97.4	85.0 -	115	Acceptable						
CBD	0.0106		0.01	%	106	85.0 -	115	Acceptable						
THCV	0.00957		0.01	%	95.7	85.0 -	115	Acceptable						
THCVA	0.00992		0.01	%	99.2	85.0 -	115	Acceptable						
CBN	0.0100		0.01	%	100	85.0 -	115	Acceptable						
тнс	0.0110		0.01	%	110	85.0 -	115	Acceptable						
D8THC	0.00862		0.01	%	86.2	85.0 -	115	Acceptable						
CBL	0.0103		0.01	%	103	85.0 -	115	Acceptable						
CBC	0.00966		0.01	%	96.6	85.0 -	115	Acceptable						
THCA	0.00935		0.01	%	93.5	85.0 -	115	Acceptable						
CBCA	0.00972		0.01	%	97.2	85.0 -	115	Acceptable						

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBDV	<loq< td=""><td>0.003</td><td>%</td><td>< 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>< 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>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBG	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBD	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCV	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCVA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBN	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
тнс	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
D8THC	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBL	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBC	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBCA	<loq< td=""><td>0.003</td><td>%</td><td>< 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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Purchase Order:					
Received:	07/28/20 13:29				

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

			Labo	ratory (Quality Co	ntrol Results		
J AOAC 2015 V98-6 Batch ID: 2006265								
Sample Duplic	ate		Sample ID: 20-007732-0001					
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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBDV	0.0784	0.0788	0.003	%	0.524	< 20	Acceptable	
CBD-A	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBG	0.0501	0.0499	0.003	%	0.366	< 20	Acceptable	
CBD	18.5	19.7	0.003	%	5.84	< 20	Acceptable	
THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBN	0.120	0.120	0.003	%	0.101	< 20	Acceptable	
тнс	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
D8THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBL	0.00946	0.0107	0.003	%	13	< 20	Acceptable	
СВС	0.158	0.159	0.003	%	0.324	< 20	Acceptable	
THCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable	
CBCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	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.

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