



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



Report Number: 22-012291/D002.R000
Report Date: 10/18/2022
ORELAP#: OR100028
Purchase Order:
Received: 10/11/22 14:40

Customer: Healthy Roots
Product identity: #238, Travel Root Butter
Client/Metric ID: .
Laboratory ID: 22-012291-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per Serving Size 95.0 mg/5g
CBC	0.0820		%		
CBD	1.90		%		
CBDV	0.0107		%		THC-Total per Serving Size 2.22 mg/5g
CBG	0.00975		%		
CBT	0.00538		%		(Reported in milligrams per serving)
Δ9-THC	0.0443		%		
Analyte per 5g	Result	Limits	Units	Status	
CBC per 5g	4.10		mg/5g		
CBD per 5g	95.0		mg/5g		
CBDV per 5g	0.535		mg/5g		
CBG per 5g	0.488		mg/5g		
CBT per 5g	0.269		mg/5g		
Δ9-THC per 5g	2.22		mg/5g		



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Customer: Healthy Roots
Product identity: #238, Travel Root Butter
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-012291-0001
Evidence of Cooling: No
Temp: 22.2
Relinquished by: client
Serving Size #1: 5 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)		Units %	Batch: 2208701	Analyze: 10/13/22 4:26:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0820		%	0.00314	
CBC-A	< LOQ		%	0.00314	
CBC-Total	0.0820		%	0.00590	
CBD [±]	1.90		%	0.0314	
CBD-A [±]	< LOQ		%	0.00314	
CBD-Total	1.90		%	0.0342	
CBDV	0.0107		%	0.00314	
CBDV-A	< LOQ		%	0.00314	
CBDV-Total	0.0107		%	0.00587	
CBE	< LOQ		%	0.00314	
CBG	0.00975		%	0.00314	
CBG-A	< LOQ		%	0.00314	
CBG-Total	0.00975		%	0.00587	
CBL	< LOQ		%	0.00314	
CBL-A	< LOQ		%	0.00314	
CBL-Total	< LOQ		%	0.00590	
CBN	< LOQ		%	0.00314	
CBT	0.00538		%	0.00314	
Δ8-THCV	< LOQ		%	0.00314	
Δ10-THC	< LOQ		%	0.00314	
Δ8-THC [±]	< LOQ		%	0.00314	
Δ9-THC [±]	0.0443		%	0.00314	
exo-THC	< LOQ		%	0.00314	
THC-A [±]	< LOQ		%	0.00314	
THC-Total	0.0443		%	0.00590	
THCV	< LOQ		%	0.00314	
THCV-A	< LOQ		%	0.00314	
THCV-Total	< LOQ		%	0.00587	
Total Cannabinoids	2.05		%		

Potency per 5g	Method: J AOAC 2015 V98-6 (mod)		Units mg/se	Batch: 2208701	Analyze: 10/13/22 4:26:00 AM
Analyte	Result	Limits	Units	LOQ	Notes



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Potency per 5g Method: J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2208701 Analyze: 10/13/22 4:26:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 5g	4.10		mg/5g	0.157	
CBC-A per 5g	< LOQ		mg/5g	0.0314	
CBC-Total per 5g	4.10		mg/5g	0.295	
CBD per 5g	95.0		mg/5g	1.57	
CBD-A per 5g	< LOQ		mg/5g	0.0314	
CBD-Total per 5g	95.0		mg/5g	1.71	
CBDV per 5g	0.535		mg/5g	0.157	
CBDV-A per 5g	< LOQ		mg/5g	0.0314	
CBDV-Total per 5g	0.535		mg/5g	0.293	
CBE per 5g	< LOQ		mg/5g	0.0314	
CBG per 5g	0.488		mg/5g	0.157	
CBG-A per 5g	< LOQ		mg/5g	0.0314	
CBG-Total per 5g	0.488		mg/5g	0.293	
CBL per 5g	< LOQ		mg/5g	0.0314	
CBL-A per 5g	< LOQ		mg/5g	0.0314	
CBL-Total per 5g	< LOQ		mg/5g	0.0590	
CBN per 5g	< LOQ		mg/5g	0.0314	
CBT per 5g	0.269		mg/5g	0.157	
$\Delta 8$ -THCV per 5g	< LOQ		mg/5g	0.0314	
$\Delta 10$ -THC per 5g	< LOQ		mg/5g	0.0314	
$\Delta 8$ -THC per 5g	< LOQ		mg/5g	0.0314	
$\Delta 9$ -THC per 5g	2.22		mg/5g	0.157	
exo-THC per 5g	< LOQ		mg/5g	0.0314	
THC-A per 5g	< LOQ		mg/5g	0.0314	
THC-Total per 5g	2.22		mg/5g	0.295	
THCV per 5g	< LOQ		mg/5g	0.0314	
THCV-A per 5g	< LOQ		mg/5g	0.0314	
THCV-Total per 5g	< LOQ		mg/5g	0.0590	
Total Cannabinoids per 5g	103		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, 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.

* = TNI accredited analyte.

Units of Measure

g = g

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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2208701

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	2	0.0377	0.034	%	110	80.0 - 120	Acceptable		
CBDV	2	0.0395	0.037	%	108	80.0 - 120	Acceptable		
CBE	2	0.0380	0.035	%	109	80.0 - 120	Acceptable		
CBDA	1	0.0322	0.033	%	96.2	90.0 - 110	Acceptable		
CBGA	1	0.0324	0.034	%	96.7	80.0 - 120	Acceptable		
CBG	1	0.0335	0.034	%	97.5	80.0 - 120	Acceptable		
CBD	1	0.0332	0.034	%	97.1	90.0 - 110	Acceptable		
THCV	2	0.0406	0.038	%	108	80.0 - 120	Acceptable		
d8THCV	2	0.0401	0.037	%	109	80.0 - 120	Acceptable		
THCVA	2	0.0367	0.034	%	109	80.0 - 120	Acceptable		
CBN	1	0.0331	0.034	%	98.3	90.0 - 110	Acceptable		
exo-THC	2	0.0369	0.034	%	108	80.0 - 120	Acceptable		
d9THC	1	0.0346	0.035	%	100	90.0 - 110	Acceptable		
d8THC	1	0.0349	0.033	%	104	90.0 - 110	Acceptable		
CBL	2	0.0355	0.033	%	108	80.0 - 120	Acceptable		
d10THC	1	0.0311	0.032	%	97.6	80.0 - 120	Acceptable		
CBG	2	0.0398	0.036	%	110	80.0 - 120	Acceptable		
THCA	1	0.0317	0.033	%	95.8	90.0 - 110	Acceptable		
CBGA	2	0.0381	0.035	%	109	80.0 - 120	Acceptable		
CBLA	2	0.0203	0.019	%	109	80.0 - 120	Acceptable		
CBT	2	0.0405	0.037	%	109	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	
CBE	<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	
d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<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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Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2208701								
Sample Duplicate Sample ID: 22-0122530001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0860	0.0865	0.003	%	0.593	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0861	0.0882	0.003	%	2.45	< 20	Acceptable	
CBD	17.1	17.2	0.003	%	0.627	< 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	0.0881	0.0888	0.003	%	0.807	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.0135	0.0137	0.003	%	1.15	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.0092	0.0101	0.003	%	8.58	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.134	0.134	0.003	%	0.320	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.196	0.197	0.003	%	0.474	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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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.