



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



Report Number: 20-003493/D03.R00
Report Date: 04/07/2020
ORELAP#: OR100028
Purchase Order:
Received: 03/31/20 14:15

Customer: Healthy Roots
Product identity: Bergamont
Client/Metric ID: .
Laboratory ID: 20-003493-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.00973		%		CBD-Total per 128g 94.2 mg/128g
CBC-A†	0.00407		%		
CBD	0.0736		%		THC-Total per 128g <LOQ
(Reported in milligrams per serving)					
Analyte per 128g	Result	Limits	Units	Status	
CBC per 128g	12.5		mg/128g		
CBC-A per 128g	5.21		mg/128g		
CBD per 128g	94.2		mg/128g		

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Product identity: Bergamont

Client/Metric ID: .

Sample Date:

Laboratory ID: 20-003493-0002

Relinquished by: Jason Merritt

Temp: 16.8 °C

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Batch: 2003016	Analyze: 1/1/70 12:00:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00973		%	0.0032	
CBC-A [†]	0.00407		%	0.0032	
CBC-Total [†]	0.0133		%	0.0060	
CBD	0.0736		%	0.0032	
CBD-A	< LOQ		%	0.0032	
CBD-Total	0.0736		%	0.0060	
CBDV [†]	< LOQ		%	0.0032	
CBDV-A [†]	< LOQ		%	0.0032	
CBDV-Total [†]	< LOQ		%	0.0060	
CBG [†]	< LOQ		%	0.0032	
CBG-A [†]	< LOQ		%	0.0032	
CBG-Total	< LOQ		%	0.0060	
CBL [†]	< LOQ		%	0.0032	
CBN	< LOQ		%	0.0032	
Δ8-THC [†]	< LOQ		%	0.0032	
Δ9-THC	< LOQ		%	0.0032	
THC-A	< LOQ		%	0.0032	
THC-Total	< LOQ		%	0.0060	
THCV [†]	< LOQ		%	0.0032	
THCV-A [†]	< LOQ		%	0.0032	
THCV-Total [†]	< LOQ		%	0.0060	
Total Cannabinoids[†]	0.0874		%		

Potency per 128g	Method J AOAC 2015 V98-6 (mod)			Batch: 2003016	Analyze: 1/1/70 12:00:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 128g	12.5		mg/128g	4.12	
CBC-A per 128g	5.21		mg/128g	4.12	
CBC-Total per 128g	17.0		mg/128g	7.74	
CBD per 128g	94.2		mg/128g	4.12	
CBD-A per 128g	< LOQ		mg/128g	4.12	
CBD-Total per 128g	94.2		mg/128g	7.74	
CBDV per 128g	< LOQ		mg/128g	4.12	

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Potency per 128g					
Method J AOAC 2015 V98-6 (mod) Batch: 2003016 Analyze: 1/1/70 12:00:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBDV-A per 128g	< LOQ		mg/128g	4.12	
CBDV-Total per 128g	< LOQ		mg/128g	7.70	
CBG per 128g	< LOQ		mg/128g	4.12	
CBG-A per 128g	< LOQ		mg/128g	4.12	
CBG-Total per 128g	< LOQ		mg/128g	7.70	
CBL per 128g	< LOQ		mg/128g	4.12	
CBN per 128g	< LOQ		mg/128g	4.12	
Δ8-THC per 128g	< LOQ		mg/128g	4.12	
Δ9-THC per 128g	< LOQ		mg/128g	4.12	
THC-A per 128g	< LOQ		mg/128g	4.12	
THC-Total per 128g	< LOQ		mg/128g	7.74	
THCV per 128g	< LOQ		mg/128g	4.12	
THCV-A per 128g	< LOQ		mg/128g	4.12	
THCV-Total per 128g	< LOQ		mg/128g	7.74	
Total Cannabinoids 128g[†]	112		mg/128g		

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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/128g = Milligram per 128g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Report

HEALTHYROOTS

20-003493

NELAP ID: OR100028

Healthy Roots
 Our Roots Run Deep
 Company: Healthy Roots
 Contact: Liz Merritt
 Address: 14323 NE Airport Way, #113
 Portland, OR 97230
 Email: HealthyRoots@healthyroots.com
 Phone: 503-496-2329
 License: AG-1, 1052211HP

CHAIN OF CUSTODY

Analysis Requested												
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
1 Niwanda		X										
2 Bergamont		X										

Healthy Roots

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 Description

Sample Weight, Serving size for edibles

Report in mg/gr and % (percentage)

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)	Jason M	3-31-20	12:30	Hagis Allen	3-31-20	14:15	Client Alias: Order Number: Proper Container Sample Condition Temperature: 16.8 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
www.pixislabs.com
www.columbiafoodlab.com

Page 1 of 7 3/31/20

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Received: 03/31/20 14:15

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 **Batch ID: 2003016**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBDV	0.00988	0.01	%	98.8	85.0 - 115	Acceptable	
CBD-A	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBG-A	0.0105	0.01	%	105	85.0 - 115	Acceptable	
CBG	0.00996	0.01	%	99.6	85.0 - 115	Acceptable	
CBD	0.00958	0.01	%	95.8	85.0 - 115	Acceptable	
THCV	0.0102	0.01	%	102	85.0 - 115	Acceptable	
THCVA	0.0104	0.01	%	104	85.0 - 115	Acceptable	
CBN	0.00984	0.01	%	98.4	85.0 - 115	Acceptable	
THC	0.0106	0.01	%	106	85.0 - 115	Acceptable	
D8THC	0.00938	0.01	%	93.8	85.0 - 115	Acceptable	
CBL	0.0103	0.01	%	103	85.0 - 115	Acceptable	
CBC	0.0104	0.01	%	104	85.0 - 115	Acceptable	
THCA	0.00971	0.01	%	97.1	85.0 - 115	Acceptable	
CBCA	0.00991	0.01	%	99.1	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBD-A	<LOQ	0.003	%	< 0.003	Acceptable	
CBG-A	<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	
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

J AOAC 2015 V98-6 **Batch ID: 2003016**

Sample Duplicate **Sample ID: 20-003423-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0653	0.0651	0.003	%	0.311	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	6.49	6.55	0.003	%	0.952	< 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	<LOQ	0.00325	0.003	%	NA	< 20	Acceptable	R2
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<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	

Abbreviations

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- NA - Calculation Not Applicable given non-numerical results
- R2 - Sample replicates RPD non-calculable, as only one replicate is within analytical range.

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.