



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



Report Number: 20-012135/D03.R00
Report Date: 11/12/2020
ORELAP#: OR100028
Purchase Order:
Received: 11/05/20 14:35

Customer: Healthy Roots
Product identity: #110 Facial Oil
Client/Metric ID: .
Laboratory ID: 20-012135-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBD	0.643		%		CBD-Total per 16g 103 mg/16g
Analyte per 16g	Result	Limits	Units	Status	
CBD per 16g	103		mg/16g		THC-Total per 16g <LOQ
(Reported in milligrams per serving)					



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Customer: Healthy Roots

Product identity: #110 Facial Oil
Client/Metric ID: .
Sample Date:
Laboratory ID: 20-012135-0002
Relinquished by: Jason Merritt
Temp: 21 °C
Serving Size #1: 16 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Batch: 2009434	Analyze: 11/10/20 1:44:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.0032	
CBC-A†	< LOQ		%	0.0032	
CBC-Total†	< LOQ		%	0.0059	
CBD	0.643		%	0.0032	
CBD-A	< LOQ		%	0.0032	
CBD-Total	0.643		%	0.0059	
CBDV†	< LOQ		%	0.0032	
CBDV-A†	< LOQ		%	0.0032	
CBDV-Total†	< LOQ		%	0.0059	
CBG†	< LOQ		%	0.0032	
CBG-A†	< LOQ		%	0.0032	
CBG-Total	< LOQ		%	0.0059	
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		%	0.0059	
THCV†	< LOQ		%	0.0032	
THCV-A†	< LOQ		%	0.0032	
THCV-Total†	< LOQ		%	0.0059	
Total Cannabinoids†	0.643		%		

Potency per 16g	Method J AOAC 2015 V98-6 (mod)	Batch: 2009434	Analyze: 11/10/20 1:44:00 AM		
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 16g	< LOQ		mg/16g	0.506	
CBC-A per 16g	< LOQ		mg/16g	0.506	
CBC-Total per 16g	< LOQ		mg/16g	0.950	
CBD per 16g	103		mg/16g	0.506	
CBD-A per 16g	< LOQ		mg/16g	0.506	
CBD-Total per 16g	103		mg/16g	0.950	
CBDV per 16g	< LOQ		mg/16g	0.506	
CBDV-A per 16g	< LOQ		mg/16g	0.506	



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Potency per 16g					
Method J AOAC 2015 V98-6 (mod) Batch: 2009434 Analyze: 11/10/20 1:44:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 16g	< LOQ		mg/16g	0.945	
CBG per 16g	< LOQ		mg/16g	0.506	
CBG-A per 16g	< LOQ		mg/16g	0.506	
CBG-Total per 16g	< LOQ		mg/16g	0.945	
CBL per 16g	< LOQ		mg/16g	0.506	
CBN per 16g	< LOQ		mg/16g	0.506	
Δ 8-THC per 16g	< LOQ		mg/16g	0.506	
Δ 9-THC per 16g	< LOQ		mg/16g	0.506	
THC-A per 16g	< LOQ		mg/16g	0.506	
THC-Total per 16g	< LOQ		mg/16g	0.950	
THCV per 16g	< LOQ		mg/16g	0.506	
THCV-A per 16g	< LOQ		mg/16g	0.506	
THCV-Total per 16g	< LOQ		mg/16g	0.950	
Total Cannabinoids 16g[†]	103		mg/16g		



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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/16g = Milligram per 16g

% = 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: Healthyroots@healthyroots.com
Phone: 503-496-2329
License: AG-L 1052211FP

1794 Cannabis Chain of Custody Record

20012135



ORELAP ID: OR100028

Address:
City, State, Zip:
Email:
Phone: Fax:
Billing (if dif.):
Processor's License:

Pesticides - OR 59 compounds
Pesticide Multi-Residue - 379 compounds

Analysis Requested												Purchase Order Number:			
												Project Number:			
												Project Name:			
												<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other:			
Client Sample Identification	Date/Time Collected	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	Report in mg/gr and % (percentage)
1 #108v2 3000 Citrus		✓											28.5g		
2 #110 Facial Oil		✓											16g		
3 #109 Arctic Chill		✓											28.5g		
4 #104 250 Mint		✓											15g		

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)	Liz Merritt	11-5-20	2:00	JB	11/5	1435	Client Alias: Order Number: Proper Container: yes Sample Condition: good Temperature: 21.0 Shipped Via: customer DO Evidence of cooling: <input checked="" 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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Received: 11/05/20 14:35

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: 2009385/2009434										
Laboratory Control Sample										
Analyte	Result		Spike	Units	% Rec	Limits			Evaluation	Notes
CBDV-A	0.00968		0.01	%	96.8	85.0 - 115			Acceptable	
CBDV	0.00994		0.01	%	99.4	85.0 - 115			Acceptable	
CBD-A	0.0106		0.01	%	106	85.0 - 115			Acceptable	
CBG-A	0.00978		0.01	%	97.8	85.0 - 115			Acceptable	
CBG	0.0100		0.01	%	100	85.0 - 115			Acceptable	
CBD	0.0107		0.01	%	107	85.0 - 115			Acceptable	
THCV	0.0100		0.01	%	100	85.0 - 115			Acceptable	
THCVA	0.00951		0.01	%	95.1	85.0 - 115			Acceptable	
CBN	0.0112		0.01	%	112	85.0 - 115			Acceptable	
THC	0.0105		0.01	%	105	85.0 - 115			Acceptable	
D8THC	0.0101		0.01	%	101	85.0 - 115			Acceptable	
CBL	0.00986		0.01	%	98.6	85.0 - 115			Acceptable	
CBC	0.0103		0.01	%	103	85.0 - 115			Acceptable	
THCA	0.0110		0.01	%	110	85.0 - 115			Acceptable	
CBCA	0.0108		0.01	%	108	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: 2009385/2009434		
Sample Duplicate						Sample ID: 20-012068-0003		
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0214	0.0218	0.003	%	1.90	< 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	8.18	8.15	0.003	%	0.389	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.528	0.527	0.003	%	0.105	< 20	Acceptable	
THC	0.00367	0.00391	0.003	%	6.14	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.0310	0.0310	0.003	%	0.104	< 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

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.