



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: Facial Serum
Laboratory ID: 19-004084-0002

Client/Metric ID:
Sample Date:

Summary

Potency:

Analyte	Result	Limits	Units	LOQ	
CBC†	0.0275		%	0.0033	CBD-Total per 28.5g 374 mg/28.5g
CBC-A†	0.127		%	0.0033	
CBD	0.198		%	0.0033	THC-Total per 28.5g 33.5 mg/28.5g
CBD-A	1.27		%	0.0328	(Reported in milligrams per serving)
CBDV†	0.00500		%	0.0033	
CBDV-A†	0.0248		%	0.0033	
CBG†	0.00989		%	0.0033	
CBG-A†	0.0286		%	0.0033	
Δ9-THC	0.0405		%	0.0033	
THC-A	0.0877		%	0.0033	
THCV-A†	0.00589		%	0.0033	
Analyte per 28.5g	Result	Limits	Units	LOQ	
CBC per 28.5g†	7.84		mg/28.5g	0.950	
CBC-A per 28.5g†	36.2		mg/28.5g	0.950	
CBD per 28.5g	56.4		mg/28.5g	0.950	
CBD-A per 28.5g	362		mg/28.5g	0.950	
CBDV per 28.5g†	1.43		mg/28.5g	0.950	
CBDV-A per 28.5g†	7.07		mg/28.5g	0.950	
CBG per 28.5g†	2.82		mg/28.5g	0.950	
CBG-A per 28.5g†	8.15		mg/28.5g	0.950	
Δ9-THC per 28.5g	11.5		mg/28.5g	0.950	
THC-A per 28.5g	25.0		mg/28.5g	0.950	
THCV-A per 28.5g†	1.68		mg/28.5g	0.950	



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Customer: Healthy Roots

Product identity: Facial Serum

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-004084-0002

Relinquished by: Healthy Roots

Temp: 22 °C

Serving Size #1: 28.5 g

Sample Results

Potency		Batch: 1903273					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	0.0275		%	0.0033	04/16/19	J AOAC 2015 V98-6	
CBC-A [†]	0.127		%	0.0033	04/16/19	J AOAC 2015 V98-6	
CBC-Total [†]	0.139		%	0.0063	04/17/19	J AOAC 2015 V98-6	
CBD	0.198		%	0.0033	04/16/19	J AOAC 2015 V98-6	
CBD-A	1.27		%	0.0328	04/16/19	J AOAC 2015 V98-6	
CBD-Total	1.31		%	0.0063	04/17/19	J AOAC 2015 V98-6	
CBDV [†]	0.00500		%	0.0033	04/16/19	J AOAC 2015 V98-6	
CBDV-A [†]	0.0248		%	0.0033	04/16/19	J AOAC 2015 V98-6	
CBDV-Total [†]	0.0265		%	0.0062	04/17/19	J AOAC 2015 V98-6	
CBG [†]	0.00989		%	0.0033	04/16/19	J AOAC 2015 V98-6	
CBG-A [†]	0.0286		%	0.0033	04/16/19	J AOAC 2015 V98-6	
CBG-Total [†]	0.0350		%	0.0063	04/17/19	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0033	04/16/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0033	04/16/19	J AOAC 2015 V98-6	
Δ8-THC [†]	< LOQ		%	0.0033	04/16/19	J AOAC 2015 V98-6	
Δ9-THC	0.0405		%	0.0033	04/16/19	J AOAC 2015 V98-6	
THC-A	0.0877		%	0.0033	04/16/19	J AOAC 2015 V98-6	
THC-Total	0.117		%	0.0063	04/17/19	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0033	04/16/19	J AOAC 2015 V98-6	
THCV-A [†]	0.00589		%	0.0033	04/16/19	J AOAC 2015 V98-6	
THCV-Total [†]	< LOQ		%	0.0062	04/17/19	J AOAC 2015 V98-6	

Potency per 28.5g		Batch: 1903273					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 28.5g [†]	7.84		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
CBC-A per 28.5g [†]	36.2		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
CBC-Total per 28.5g [†]	39.6		mg/28.5g	1.78	04/17/19	J AOAC 2015 V98-6	
CBD per 28.5g	56.4		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
CBD-A per 28.5g	362		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



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Potency per 28.5g		Batch: 1903273					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD-Total per 28.5g	374		mg/28.5g	1.78	04/17/19	J AOAC 2015 V98-6	
CBDV per 28.5g†	1.43		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
CBDV-A per 28.5g†	7.07		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
CBDV-Total per 28.5g†	7.55		mg/28.5g	1.77	04/17/19	J AOAC 2015 V98-6	
CBG per 28.5g†	2.82		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
CBG-A per 28.5g†	8.15		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
CBG-Total per 28.5g†	9.97		mg/28.5g	1.78	04/17/19	J AOAC 2015 V98-6	
CBL per 28.5g†	< LOQ		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
CBN per 28.5g	< LOQ		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
Δ8-THC per 28.5g†	< LOQ		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
Δ9-THC per 28.5g	11.5		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
THC-A per 28.5g	25.0		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
THC-Total per 28.5g	33.5		mg/28.5g	1.78	04/17/19	J AOAC 2015 V98-6	
THCV per 28.5g†	< LOQ		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
THCV-A per 28.5g†	1.68		mg/28.5g	0.950	04/17/19	J AOAC 2015 V98-6	
THCV-Total per 28.5g†	2.35		mg/28.5g	1.77	04/17/19	J AOAC 2015 V98-6	



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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/28.5g = Milligram per 28.5g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: <u>Healthy Roots</u>		Analysis Requested										Purchase Order Number:		
Contact:												Project Number:		
Address:												Project Name:		
Email: <u>healthyroots@emp@gmail.com</u>												<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:		
Phone: _____ Fax: _____														
Processor's License:														
Field ID	Date/Time Collected	Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals	Matrix	Weight	Serving size for edibles	Comments/Metric ID	Cont #'s
<u>Arctic chill</u>		X	X						X					
<u>Facial serum</u>			X											
<u>Isolate</u>			X											

Handwritten: 4-11-19
17:25
22.0 NOT COOLED

Handwritten signature: [Signature]

Revision: 0.00 Control#: CF023
Effective: 04/20/2018 Revised: 04/20/2018

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4/12/19

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 1903273**

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDV-A	0.00988	0.01	%	98.8	85 - 115	Acceptable		
CBDV	0.0105	0.01	%	105	85 - 115	Acceptable		
CBD-A	0.00964	0.01	%	96.4	85 - 115	Acceptable		
CBG-A	0.00989	0.01	%	98.9	85 - 115	Acceptable		
CBG	0.0105	0.01	%	105	85 - 115	Acceptable		
CBD	0.00978	0.01	%	97.8	85 - 115	Acceptable		
THCV	0.00999	0.01	%	99.9	85 - 115	Acceptable		
THCVA	0.00998	0.01	%	99.8	85 - 115	Acceptable		
CBN	0.0107	0.01	%	107	85 - 115	Acceptable		
THC	0.0101	0.01	%	101	85 - 115	Acceptable		
D8THC	0.00984	0.01	%	98.4	85 - 115	Acceptable		
CBL	0.00998	0.01	%	99.8	85 - 115	Acceptable		
CBC	0.0109	0.01	%	109	85 - 115	Acceptable		
THCA	0.0102	0.01	%	102	85 - 115	Acceptable		
CBCA	0.00972	0.01	%	97.2	85 - 115	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDV-A	ND	0.003	%	< 0.003	Acceptable		
CBDV	ND	0.003	%	< 0.003	Acceptable		
CBD-A	ND	0.003	%	< 0.003	Acceptable		
CBG-A	ND	0.003	%	< 0.003	Acceptable		
CBG	ND	0.003	%	< 0.003	Acceptable		
CBD	ND	0.003	%	< 0.003	Acceptable		
THCV	ND	0.003	%	< 0.003	Acceptable		
THCVA	ND	0.003	%	< 0.003	Acceptable		
CBN	ND	0.003	%	< 0.003	Acceptable		
THC	ND	0.003	%	< 0.003	Acceptable		
D8THC	ND	0.003	%	< 0.003	Acceptable		
CBL	ND	0.003	%	< 0.003	Acceptable		
CBC	ND	0.003	%	< 0.003	Acceptable		
THCA	ND	0.003	%	< 0.003	Acceptable		
CBCA	ND	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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J AOAC 2015 V98-6		Batch ID: 1903273						
Sample Duplicate		Sample ID: 19-004084-0002						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	0.0252	0.0248	0.003	%	1.60	< 20	Acceptable	
CBDV	0.00559	0.00500	0.003	%	11.1	< 20	Acceptable	
CBD-A	1.28	1.27	0.003	%	0.784	< 20	Acceptable	
CBG-A	0.0289	0.0286	0.003	%	1.04	< 20	Acceptable	
CBG	0.0102	0.00989	0.003	%	3.09	< 20	Acceptable	
CBD	0.200	0.198	0.003	%	1.01	< 20	Acceptable	
THCV	ND	ND	0.003	%	0	< 20	Acceptable	
THCVA	0.00684	0.00589	0.003	%	14.9	< 20	Acceptable	
CBN	ND	ND	0.003	%	0	< 20	Acceptable	
THC	0.0412	0.0405	0.003	%	1.71	< 20	Acceptable	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	0.0277	0.0275	0.003	%	0.72	< 20	Acceptable	
THCA	0.0887	0.0877	0.003	%	1.13	< 20	Acceptable	
CBCA	0.131	0.127	0.003	%	3.10	< 20	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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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.
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.