



This is an amended version of report# 20-000091/D03.R00.
Reason: Results in % and mg/134g.

Customer: Healthy Roots
Product identity: Nirvana Soap
Client/Metric ID: .
Laboratory ID: 20-000091-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC [†]	0.0116		%		CBD-Total per 134g 162 mg/134g
CBD	0.121		%		THC-Total per 134g < 8.388 mg/134g
Analyte per 134g	Result	Limits	Units	Status	(Reported in milligrams per serving)
CBC per 134g [†]	15.5		mg/134g		
CBD per 134g	162		mg/134g		



Customer: Healthy Roots
Product identity: Nirvana Soap
Client/Metric ID: .
Sample Date:
Laboratory ID: 20-000091-0002
Relinquished by: Liz Merritt
Temp: 20.4 °C
Serving Size #1: 134 g

Sample Results

Potency		Batch: 2000257					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	0.0116		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBC-A [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBC-Total [†]	0.0116		%	0.0060	01/10/20	J AOAC 2015 V98-6	
CBD	0.121		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBD-Total	0.121		%	0.0060	01/10/20	J AOAC 2015 V98-6	
CBDV [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBDV-A [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBDV-Total [†]	< LOQ		%	0.0060	01/10/20	J AOAC 2015 V98-6	
CBG [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBG-A [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBG-Total [†]	< LOQ		%	0.0060	01/10/20	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
Δ8-THC [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
THC-Total	0.000		%	0.0060	01/10/20	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
THCV-A [†]	< LOQ		%	0.0032	01/08/20	J AOAC 2015 V98-6	
THCV-Total [†]	< LOQ		%	0.0060	01/10/20	J AOAC 2015 V98-6	

Potency per 134g		Batch: 2000257					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 134g [†]	15.5		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
CBC-A per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
CBC-Total per 134g [†]	15.5		mg/134g	8.39	01/10/20	J AOAC 2015 V98-6	
CBD per 134g	162		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
CBD-A per 134g	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
CBD-Total per 134g	162		mg/134g	8.39	01/10/20	J AOAC 2015 V98-6	
CBDV per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	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 retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



Potency per 134g		Batch: 2000257					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBDV-A per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
CBDV-Total per 134g [†]	< LOQ		mg/134g	8.34	01/10/20	J AOAC 2015 V98-6	
CBG per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
CBG-A per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
CBG-Total per 134g [†]	< LOQ		mg/134g	8.39	01/10/20	J AOAC 2015 V98-6	
CBL per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
CBN per 134g	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
Δ8-THC per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
Δ9-THC per 134g	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
THC-A per 134g	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
THC-Total per 134g	< LOQ		mg/134g	8.39	01/10/20	J AOAC 2015 V98-6	
THCV per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
THCV-A per 134g [†]	< LOQ		mg/134g	4.47	01/10/20	J AOAC 2015 V98-6	
THCV-Total per 134g [†]	< LOQ		mg/134g	8.34	01/10/20	J AOAC 2015 V98-6	

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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/134g = Milligram per 134g

% = 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 Record

20-000091

ORELAP ID: OR100028

Company: CHAIN OF CUSTODY Healthy Roots Contact: Liz Merritt Address: 14325 NE Airport Way, #113 Portland, OR 97230 Email: HealthyRootsTemp@gmail.com Phone: 503-496-2329 License: AG-L1052211FF	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	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	Sample Type	Weight	Serving size for edibles	Comments/Metric ID
1 Lifter			X											2gr.		report in mg %
2 Nirvana Soap			X											134gr.		↓
3 Breaking Waves			X											129gr.		
4 Bergamot + Black Tea			X											131gr.		

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)	Relinquished By: <u>UZMQE</u>	Date: <u>1/3/2020</u>	Time: <u>3:10</u>	Received by: <u>KMG</u>	Date: <u>01/03/20</u>	Time: <u>1510</u>	Lab Use Only: Client Alias: Order Number: Proper Container: Sample Condition: Temperature: <u>20.4</u> Shipped Via: <u>Client</u> Evidence of cooling: <input checked="" type="checkbox"/> No
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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 www.pixislabs.com
Effective 05/22/2019 Revised 05/22/2019 www.columbiafoodlab.com

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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: 2000257**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00961	0.01	%	96.1	85.0 - 115	Acceptable	
CBDV	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBD-A	0.00983	0.01	%	98.3	85.0 - 115	Acceptable	
CBG-A	0.00995	0.01	%	99.5	85.0 - 115	Acceptable	
CBG	0.00985	0.01	%	98.5	85.0 - 115	Acceptable	
CBD	0.00966	0.01	%	96.6	85.0 - 115	Acceptable	
THCV	0.00983	0.01	%	98.3	85.0 - 115	Acceptable	
THCVA	0.00963	0.01	%	96.3	85.0 - 115	Acceptable	
CBN	0.00993	0.01	%	99.3	85.0 - 115	Acceptable	
THC	0.00970	0.01	%	97.0	85.0 - 115	Acceptable	
D8THC	0.00986	0.01	%	98.6	85.0 - 115	Acceptable	
CBL	0.00950	0.01	%	95.0	85.0 - 115	Acceptable	
CBC	0.0100	0.01	%	100	85.0 - 115	Acceptable	
THCA	0.00936	0.01	%	93.6	85.0 - 115	Acceptable	
CBCA	0.00981	0.01	%	98.1	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	0.00157	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



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: 2000257							
Sample Duplicate		Sample ID: 20-000106-0003							
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes	
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
CBDV	0.0136	0.0139	0.003	%	2.07	< 20	Acceptable		
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
CBG	0.0536	0.0536	0.003	%	0.0289	< 20	Acceptable		
CBD	2.21	2.21	0.003	%	0.0380	< 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	0.105	0.104	0.003	%	0.831	< 20	Acceptable		
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
CBL	0.00937	0.00939	0.003	%	0.137	< 20	Acceptable		
CBC	0.00409	0.00409	0.003	%	0.0278	< 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



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.