



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



Report Number: 21-002125/D02.R01
Report Date: 03/08/2021
ORELAP#: OR100028
Purchase Order:
Received: 03/01/21 14:12

This is an amended version of report# 21-002125/D02.R00.
 Reason: Updated reporting units.

Customer: Healthy Roots
Product identity: #133, Deep Relief Lotion
Client/Metric ID: .
Laboratory ID: 21-002125-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.00500		%		CBD-Total per 130g 837 mg/130g
CBC-A†	0.0154		%		
CBD	0.478		%		THC-Total per 130g 9.06 mg/130g
CBD-A	0.189		%		
CBG†	0.00446		%		(Reported in milligrams per serving)
CBG-A†	0.00784		%		
Δ9-THC	0.00697		%		
Analyte per 130g	Result	Limits	Units	Status	
CBC per 130g†	6.50		mg/130g		
CBC-A per 130g†	20.0		mg/130g		
CBD per 130g	621		mg/130g		
CBD-A per 130g	246		mg/130g		
CBG per 130g†	5.80		mg/130g		
CBG-A per 130g†	10.2		mg/130g		
Δ9-THC per 130g	9.06		mg/130g		



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Customer: Healthy Roots

Product identity: #133, Deep Relief Lotion
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-002125-0001
Relinquished by: Client
Temp: 21.6 °C
Serving Size #1: 130 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2101904	Analyze: 3/3/21 4:26:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00500		%	0.0033	
CBC-A [†]	0.0154		%	0.0033	
CBC-Total [†]	0.0185		%	0.0062	
CBD	0.478		%	0.0033	
CBD-A	0.189		%	0.0033	
CBD-Total	0.644		%	0.0062	
CBDV [†]	< LOQ		%	0.0033	
CBDV-A [†]	< LOQ		%	0.0033	
CBDV-Total [†]	< LOQ		%	0.0062	
CBG [†]	0.00446		%	0.0033	
CBG-A [†]	0.00784		%	0.0033	
CBG-Total	0.0113		%	0.0062	
CBL [†]	< LOQ		%	0.0033	
CBN	< LOQ		%	0.0033	
Δ8-THC [†]	< LOQ		%	0.0033	
Δ9-THC	0.00697		%	0.0033	
THC-A	< LOQ		%	0.0033	
THC-Total	0.00697		%	0.0062	
THCV [†]	< LOQ		%	0.0033	
THCV-A [†]	< LOQ		%	0.0033	
THCV-Total [†]	< LOQ		%	0.0062	
Total Cannabinoids[†]	0.707		%		

Potency per 130g	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2101904	Analyze: 3/3/21 4:26:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 130g [†]	6.50		mg/130g	4.28	
CBC-A per 130g [†]	20.0		mg/130g	4.28	
CBC-Total per 130g [†]	24.1		mg/130g	8.04	
CBD per 130g	621		mg/130g	4.28	
CBD-A per 130g	246		mg/130g	4.28	
CBD-Total per 130g	837		mg/130g	8.04	
CBDV per 130g [†]	< LOQ		mg/130g	0.0330	
CBDV-A per 130g [†]	< LOQ		mg/130g	0.0330	



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Potency per 130g **Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2101904 Analyze: 3/3/21 4:26:00 AM**

Analyte	Result	Limits	Units	LOQ	Notes
CBDV-Total per 130g [†]	< LOQ		mg/130g	0.0615	
CBG per 130g [†]	5.80		mg/130g	4.28	
CBG-A per 130g [†]	10.2		mg/130g	4.28	
CBG-Total per 130g [†]	14.6		mg/130g	8.00	
CBL per 130g [†]	< LOQ		mg/130g	0.0330	
CBN per 130g	< LOQ		mg/130g	0.0330	
Δ8-THC per 130g [†]	< LOQ		mg/130g	0.0330	
Δ9-THC per 130g	9.06		mg/130g	4.28	
THC-A per 130g	< LOQ		mg/130g	0.0330	
THC-Total per 130g	9.06		mg/130g	8.04	
THCV per 130g [†]	< LOQ		mg/130g	0.0330	
THCV-A per 130g [†]	< LOQ		mg/130g	0.0330	
THCV-Total per 130g [†]	< LOQ		mg/130g	0.0619	
Total Cannabinoids 130g[†]	919		mg/130g		



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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/130g = Milligram per 130g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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12. Healthy Roots
Our Roots Run Deep

Company: Healthy Roots
Contact: Liz Merritt
Address: 14325 NE Airport Way, #113
Portland, OR 97230
Email: HealthyRootsHemp@gmail.com
Phone: 503-496-2329
License: AG-L-1052211FP

CHAIN OF CUSTODY

Co
Op
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Lic

Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

21-002125

ORELAP ID: OR100028

Client Sample Identification	Date/Time Collected	Analysis Requested										Sample Type	Weight	Serving size for edibles	Co Healthy Roots	Report in mg/gr and % (percentage)
		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					
1 #133, Deep Relief lotion				✓									1 gr			
2 #132v3, 250 Citrus				✓									1 gr			

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 Merritt	3/01/21	2:00p	JB	3/1/21	14:12	Client Alias: Order Number: Proper Container Sample Condition Temperature: 21.6 Shipped Via: Client 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 www.pixislabs.com
Effective 05/22/2019 Revised 05/22/2019 www.columbiainfoodlab.com Page 1 of 8

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 Columbia Laboratories 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.
Testing in accordance with: OAR 333-007-0430



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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: 2101904**

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDV-A	0.00967	0.01	%	96.7	85.0	- 115	Acceptable	
CBDV	0.00999	0.01	%	99.9	85.0	- 115	Acceptable	
CBD-A	0.00962	0.01	%	96.2	85.0	- 115	Acceptable	
CBG-A	0.00973	0.01	%	97.3	85.0	- 115	Acceptable	
CBG	0.0102	0.01	%	102	85.0	- 115	Acceptable	
CBD	0.00996	0.01	%	99.6	85.0	- 115	Acceptable	
THCV	0.0100	0.01	%	100	85.0	- 115	Acceptable	
THCVA	0.00926	0.01	%	92.6	85.0	- 115	Acceptable	
CBN	0.0105	0.01	%	105	85.0	- 115	Acceptable	
THC	0.00967	0.01	%	96.7	85.0	- 115	Acceptable	
D8THC	0.00989	0.01	%	98.9	85.0	- 115	Acceptable	
CBL	0.00902	0.01	%	90.2	85.0	- 115	Acceptable	
CBC	0.0103	0.01	%	103	85.0	- 115	Acceptable	
THCA	0.00971	0.01	%	97.1	85.0	- 115	Acceptable	
CBCA	0.00949	0.01	%	94.9	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: 2101904						
Sample Duplicate		Sample ID: 21-002043-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 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	0.200	0.203	0.003	%	1.23	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.00539	0.00552	0.003	%	2.21	< 20	Acceptable	
THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.00312	0.00314	0.003	%	0.449	< 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.