



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	CBD-Total per 130g	837 mg/130g
CBC	0.00500		%			
CBC-A†	0.0154		%			
CBD	0.478		%		THC-Total per 130g	9.06 mg/130g
CBD-A	0.189		%			
CBG†	0.00446		%			
CBG-A†	0.00784		%			
Δ9-THC	0.00697		%			
						(Reported in milligrams per serving)
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 <sup>†</sup>	< LOQ		mg/130g	0.0615	
CBG per 130g <sup>†</sup>	5.80		mg/130g	4.28	
CBG-A per 130g <sup>†</sup>	10.2		mg/130g	4.28	
CBG-Total per 130g <sup>†</sup>	14.6		mg/130g	8.00	
CBL per 130g <sup>†</sup>	< LOQ		mg/130g	0.0330	
CBN per 130g	< LOQ		mg/130g	0.0330	
Δ8-THC per 130g <sup>†</sup>	< 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 <sup>†</sup>	< LOQ		mg/130g	0.0330	
THCV-A per 130g <sup>†</sup>	< LOQ		mg/130g	0.0330	
THCV-Total per 130g <sup>†</sup>	< LOQ		mg/130g	0.0619	
<b>Total Cannabinoids 130g<sup>†</sup></b>	<b>919</b>		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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Healthy Roots  
Our Roots Run Deep

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	Report in mg/gr and % (percentage)	
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	3/10/21	2:00p	JB	3/12/21	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](http://www.pixislabs.com)

Effective 05/22/2019 Revised 05/22/2019

[www.columbiainfoodlab.com](http://www.columbiainfoodlab.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: 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.