



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



**Report Number:** 21-000477/D02.R00  
**Report Date:** 01/20/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/14/21 16:14

**Customer:** Healthy Roots  
**Product identity:** 800 Lotion #122  
**Client/Metric ID:** .  
**Laboratory ID:** 21-000477-0001

## Summary

### Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 130g	858 mg/130g
CBC	0.00513		%			
CBC-A†	0.00988		%			
CBD	0.490		%		THC-Total per 130g	9.20 mg/130g
CBD-A	0.194		%			
CBG†	0.00350		%			
CBG-A†	0.00713		%			
Δ9-THC	0.00708		%			
					(Reported in milligrams per serving)	
Analyte per 130g	Result	Limits	Units	Status		
CBC per 130g†	6.67		mg/130g			
CBC-A per 130g†	12.8		mg/130g			
CBD per 130g	637		mg/130g			
CBD-A per 130g	252		mg/130g			
CBG per 130g†	4.55		mg/130g			
CBG-A per 130g†	9.27		mg/130g			
Δ9-THC per 130g	9.20		mg/130g			



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**Customer:** Healthy Roots

**Product identity:** 800 Lotion #122  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 21-000477-0001  
**Temp:** 20.9 °C  
**Serving Size #1:** 130 g

### Sample Results

Potency Method J AOAC 2015 V98-6 (mod) Batch: 2100530 Analyze: 1/19/21 1:01:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00513		%	0.0032	
CBC-A†	0.00988		%	0.0032	
CBC-Total†	0.0138		%	0.0060	
CBD	0.490		%	0.0032	
CBD-A	0.194		%	0.0032	
CBD-Total	0.660		%	0.0060	
CBDV†	< LOQ		%	0.0032	
CBDV-A†	< LOQ		%	0.0032	
CBDV-Total†	< LOQ		%	0.0060	
CBG†	0.00350		%	0.0032	
CBG-A†	0.00713		%	0.0032	
CBG-Total	0.00976		%	0.0060	
CBL†	< LOQ		%	0.0032	
CBN	< LOQ		%	0.0032	
Δ8-THC†	< LOQ		%	0.0032	
Δ9-THC	0.00708		%	0.0032	
THC-A	< LOQ		%	0.0032	
THC-Total	0.00708		%	0.0060	
THCV†	< LOQ		%	0.0032	
THCV-A†	< LOQ		%	0.0032	
THCV-Total†	< LOQ		%	0.0060	
<b>Total Cannabinoids†</b>	<b>0.717</b>		%		

Potency per 130g Method J AOAC 2015 V98-6 (mod) Batch: 2100530 Analyze: 1/19/21 1:01:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 130g†	6.67		mg/130g	4.15	
CBC-A per 130g†	12.8		mg/130g	4.15	
CBC-Total per 130g†	17.9		mg/130g	7.79	
CBD per 130g	637		mg/130g	4.15	
CBD-A per 130g	252		mg/130g	4.15	
CBD-Total per 130g	858		mg/130g	7.79	
CBDV per 130g†	< LOQ		mg/130g	4.15	
CBDV-A per 130g†	< LOQ		mg/130g	4.15	
CBDV-Total per 130g†	< LOQ		mg/130g	7.75	



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Potency per 130g					
Method J AOAC 2015 V98-6 (mod) Batch: 2100530 Analyze: 1/19/21 1:01:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBG per 130g <sup>†</sup>	4.55		mg/130g	4.15	
CBG-A per 130g <sup>†</sup>	9.27		mg/130g	4.15	
CBG-Total per 130g <sup>†</sup>	12.6		mg/130g	7.75	
CBL per 130g <sup>†</sup>	< LOQ		mg/130g	4.15	
CBN per 130g	< LOQ		mg/130g	4.15	
Δ8-THC per 130g <sup>†</sup>	< LOQ		mg/130g	4.15	
Δ9-THC per 130g	9.20		mg/130g	4.15	
THC-A per 130g	< LOQ		mg/130g	4.15	
THC-Total per 130g	9.20		mg/130g	7.79	
THCV per 130g <sup>†</sup>	< LOQ		mg/130g	4.15	
THCV-A per 130g <sup>†</sup>	< LOQ		mg/130g	4.15	
THCV-Total per 130g <sup>†</sup>	< LOQ		mg/130g	7.79	
<b>Total Cannabinoids 130g<sup>†</sup></b>	<b>932</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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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: 2100530					
Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits			Evaluation	Notes
CBDV-A	0.00962	0.01	%	96.2	85.0	-	115	Acceptable	
CBDV	0.00989	0.01	%	98.9	85.0	-	115	Acceptable	
CBD-A	0.0101	0.01	%	101	85.0	-	115	Acceptable	
CBG-A	0.00966	0.01	%	96.6	85.0	-	115	Acceptable	
CBG	0.00980	0.01	%	98.0	85.0	-	115	Acceptable	
CBD	0.00988	0.01	%	98.8	85.0	-	115	Acceptable	
THCV	0.00975	0.01	%	97.5	85.0	-	115	Acceptable	
THCVA	0.00918	0.01	%	91.8	85.0	-	115	Acceptable	
CBN	0.0103	0.01	%	103	85.0	-	115	Acceptable	
THC	0.0107	0.01	%	107	85.0	-	115	Acceptable	
D8THC	0.00948	0.01	%	94.8	85.0	-	115	Acceptable	
CBL	0.00977	0.01	%	97.7	85.0	-	115	Acceptable	
CBC	0.00988	0.01	%	98.8	85.0	-	115	Acceptable	
THCA	0.0104	0.01	%	104	85.0	-	115	Acceptable	
CBCA	0.00963	0.01	%	96.3	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: 2100530			
Sample Duplicate					Sample ID: 21-000410-0001			
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	0.570	0.533	0.003	%	6.77	< 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	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 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.