



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



Report Number: 21-006607/D002.R000
Report Date: 06/18/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/14/21 15:33

Customer: Healthy Roots
Product identity: #152, 200 Lotion
Client/Metric ID: .
Laboratory ID: 21-006607-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 55g	231 mg/55g
CBC	0.00331		%			
CBC-A†	0.00587		%			
CBD	0.305		%		THC-Total per 55g	4.33 mg/55g
CBD-A	0.131		%			
CBG-A†	0.00477		%			
Δ9-THC	0.00477		%			
THC-A	0.00353		%			
					(Reported in milligrams per serving)	
Analyte per 55g	Result	Limits	Units	Status		
CBC per 55g†	1.82		mg/55g			
CBC-A per 55g†	3.23		mg/55g			
CBD per 55g	168		mg/55g			
CBD-A per 55g	72.1		mg/55g			
CBG-A per 55g†	2.62		mg/55g			
Δ9-THC per 55g	2.62		mg/55g			
THC-A per 55g	1.94		mg/55g			



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Customer: Healthy Roots

Product identity: #152, 200 Lotion
Client/Metric ID: .
Sample Date:
Laboratory ID: 21-006607-0002
Evidence of Cooling: No
Temp: 22.9 °C
Serving Size #1: 55 g

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2105380	Analyze: 6/16/21 11:31:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00331		%	0.0032	
CBC-A [†]	0.00587		%	0.0032	
CBC-Total [†]	0.00846		%	0.0061	
CBD	0.305		%	0.0032	
CBD-A	0.131		%	0.0032	
CBD-Total	0.420		%	0.0061	
CBDV [†]	< LOQ		%	0.0032	
CBDV-A [†]	< LOQ		%	0.0032	
CBDV-Total [†]	< LOQ		%	0.0061	
CBE [†]	< LOQ		%	0.0032	
CBG [†]	< LOQ		%	0.0032	
CBG-A [†]	0.00477		%	0.0032	
CBG-Total	< LOQ		%	0.0061	
CBL [†]	< LOQ		%	0.0032	
CBL-A [†]	< LOQ		%	0.0032	
CBL-Total [†]	< LOQ		%	0.0061	
CBN	< LOQ		%	0.0032	
CBT [†]	< LOQ		%	0.0032	
Δ8-THCV	< LOQ		%	0.0032	
Δ8-THC [†]	< LOQ		%	0.0032	
Δ9-THC	0.00477		%	0.0032	
THC-A	0.00353		%	0.0032	
THC-Total	0.00787		%	0.0061	
THCV [†]	< LOQ		%	0.0032	
THCV-A [†]	< LOQ		%	0.0032	
THCV-Total [†]	< LOQ		%	0.0061	
Total Cannabinoids[†]	0.458		%		

Potency per 55g	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2105380	Analyze: 6/16/21 11:31:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 55g [†]	1.82		mg/55g	1.79	
CBC-A per 55g [†]	3.23		mg/55g	1.79	
CBC-Total per 55g [†]	4.65		mg/55g	3.35	



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Potency per 55g Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2105380 Analyze: 6/16/21 11:31:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBD per 55g	168		mg/55g	1.79	
CBD-A per 55g	72.1		mg/55g	1.79	
CBD-Total per 55g	231		mg/55g	3.35	
CBDV per 55g [†]	< LOQ		mg/55g	1.79	
CBDV-A per 55g [†]	< LOQ		mg/55g	1.79	
CBDV-Total per 55g [†]	< LOQ		mg/55g	3.33	
CBE per 55g [†]	< LOQ		mg/55g	1.79	
CBG per 55g [†]	< LOQ		mg/55g	1.79	
CBG-A per 55g [†]	2.62		mg/55g	1.79	
CBG-Total per 55g [†]	< LOQ		mg/55g	3.33	
CBL per 55g [†]	< LOQ		mg/55g	1.79	
CBL-A per 55g [†]	< LOQ		mg/55g	1.79	
CBL-Total per 55g [†]	< LOQ		mg/55g	3.35	
CBN per 55g	< LOQ		mg/55g	1.79	
CBT per 55g [†]	< LOQ		mg/55g	1.79	
Δ8-THCV per 55g [†]	< LOQ		mg/55g	1.79	
Δ8-THC per 55g [†]	< LOQ		mg/55g	1.79	
Δ9-THC per 55g	2.62		mg/55g	1.79	
exo-THC per 55g [†]	< LOQ		mg/55g	1.79	
THC-A per 55g	1.94		mg/55g	1.79	
THC-Total per 55g	4.33		mg/55g	3.35	
THCV per 55g [†]	< LOQ		mg/55g	1.79	
THCV-A per 55g [†]	< LOQ		mg/55g	1.79	
THCV-Total per 55g [†]	< LOQ		mg/55g	3.35	
Total Cannabinoids per 55g	252		mg/55g		



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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/55g = Milligram per 55g

% = Percentage of sample

% wt = µg/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: 2105380

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.00888	0.01	%	88.8	85.0 - 115	Acceptable	
CBDV	0.00903	0.01	%	90.3	85.0 - 115	Acceptable	
CBE	0.00894	0.01	%	89.4	85.0 - 115	Acceptable	
CBD	0.00908	0.01	%	90.8	85.0 - 115	Acceptable	
CBGA	0.00891	0.01	%	89.1	85.0 - 115	Acceptable	
CBG	0.00897	0.01	%	89.7	85.0 - 115	Acceptable	
THCV	0.00923	0.01	%	92.3	85.0 - 115	Acceptable	
d8THCV	0.00894	0.01	%	89.4	85.0 - 115	Acceptable	
THCVA	0.00922	0.01	%	92.2	85.0 - 115	Acceptable	
THC	0.00863	0.01	%	86.3	85.0 - 115	Acceptable	
CBN	0.00944	0.01	%	94.4	85.0 - 115	Acceptable	
exo-THC	0.00892	0.01	%	89.2	85.0 - 115	Acceptable	
d9THC	0.00942	0.01	%	94.2	85.0 - 115	Acceptable	
d8THC	0.00889	0.01	%	88.9	85.0 - 115	Acceptable	
CBL	0.00870	0.01	%	87.0	85.0 - 115	Acceptable	
CBC	0.00918	0.01	%	91.8	85.0 - 115	Acceptable	
THCA	0.00882	0.01	%	88.2	85.0 - 115	Acceptable	
CBCA	0.00882	0.01	%	88.2	85.0 - 115	Acceptable	
CBLA	0.00987	0.01	%	98.7	85.0 - 115	Acceptable	
CBT	0.0102	0.01	%	102	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<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	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<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: 2105380						
Sample Duplicate		Sample ID: 21-006568-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.00627	0.00700	0.003	%	11.1	< 20	Acceptable	
CBE	0.0124	0.0136	0.003	%	9.33	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.458	0.500	0.003	%	8.83	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	<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	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<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.