



**Report Number:** 21-006607/D002.R000

Report Date: 06/18/2021 ORELAP#: OR100028

**Purchase Order:** 

06/14/21 15:33 Received:

**Customer: Healthy Roots** Product identity: #152, 200 Lotion

Client/Metrc ID:

**Laboratory ID:** 21-006607-0002

# Summary

Analyte	Result	Limits	Units	Status	CBD-Total per 55g	231 mg/55g
CBC	0.00331		%			
CBC-A <sup>†</sup>	0.00587		%		<u> </u>	
CBD	0.305		%		THC-Total per 55g	4.33 mg/55g
CBD-A	0.131		%		(Reported in millig	rame per serving)
CBG-A <sup>†</sup>	0.00477		%		(Neported in minig	rams per serving)
Δ9-THC	0.00477		%			
THC-A	0.00353		%			
Analyte per 55g	Result	Limits	Units	Status		
CBC per 55g <sup>†</sup>	1.82		mg/55g			
CBC-A per 55g <sup>†</sup>	3.23		mg/55g			
CBD per 55g	168		mg/55g			
CBD-A per 55g	72.1		mg/55g			
CBG-A per 55g <sup>†</sup>	2.62		mg/55g			
Δ9-THC per 55g	2.62		mg/55g			
THC-A per 55g	1.94		mg/55g			





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**Report Date:** 06/18/2021 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 06/14/21 15:33

**Customer:** Healthy Roots

Product identity: #152, 200 Lotion

Client/Metrc 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 AOA	C 2015 V98-6 (mod)	Units %	Batch: 2105380	<b>Analyze:</b> 6/16/21 11:31:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00331		%	0.0032	
CBC-A <sup>†</sup>	0.00587		%	0.0032	
CBC-Total <sup>†</sup>	0.00846		%	0.0061	
CBD	0.305		%	0.0032	
CBD-A	0.131		%	0.0032	
CBD-Total	0.420		%	0.0061	
CBDV <sup>†</sup>	< LOQ		%	0.0032	
CBDV-A <sup>†</sup>	< LOQ		%	0.0032	
CBDV-Total <sup>†</sup>	< LOQ		%	0.0061	
CBE <sup>†</sup>	< LOQ		%	0.0032	
CBG <sup>†</sup>	< LOQ		%	0.0032	
CBG-A <sup>†</sup>	0.00477		%	0.0032	
CBG-Total	< LOQ		%	0.0061	
CBL <sup>†</sup>	< LOQ		%	0.0032	
CBL-A <sup>†</sup>	< LOQ		%	0.0032	
CBL-Total <sup>†</sup>	< LOQ		%	0.0061	
CBN	< LOQ		%	0.0032	
CBT <sup>†</sup>	< LOQ		%	0.0032	
Δ8-THCV	< LOQ		%	0.0032	
$\Delta 8$ -THC $^{\dagger}$	< LOQ		%	0.0032	
Δ9-THC	0.00477		%	0.0032	
THC-A	0.00353		%	0.0032	
THC-Total	0.00787		%	0.0061	
THCV <sup>†</sup>	< LOQ		%	0.0032	
THCV-A <sup>†</sup>	< LOQ		%	0.0032	
THCV-Total <sup>†</sup>	< LOQ		%	0.0061	
Total Cannabinoids <sup>†</sup>	0.458		%		
Potency per 55g	Method J AOA	C 2015 V98-6 (mod)	Jnits mg/se	e Batch: 2105380	<b>Analyze:</b> 6/16/21 11:31:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 55g <sup>†</sup>	1.82		mg/55g	1.79	
CBC-A per 55g <sup>†</sup>	3.23		mg/55g	1.79	
CBC-Total per 55g <sup>†</sup>	4.65		mg/55g	3.35	

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06/14/21 15:33 Received:

Potency per 55g	Method J AOA	AC 2015 V98-6 (mo	d) <b>Units</b> mg/se <b>Ba</b>	atch: 2105380	<b>Analyze:</b> 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 <sup>†</sup>	< LOQ		mg/55g	1.79	
CBDV-A per 55g <sup>†</sup>	< LOQ		mg/55g	1.79	
CBDV-Total per 55g <sup>†</sup>	< LOQ		mg/55g	3.33	
CBE per 55g <sup>†</sup>	< LOQ		mg/55g	1.79	
CBG per 55g <sup>†</sup>	< LOQ		mg/55g	1.79	
CBG-A per 55g <sup>†</sup>	2.62		mg/55g	1.79	
CBG-Total per 55g <sup>†</sup>	< LOQ		mg/55g	3.33	
CBL per 55g <sup>†</sup>	< LOQ		mg/55g	1.79	
CBL-A per 55g <sup>†</sup>	< LOQ		mg/55g	1.79	
CBL-Total per 55g <sup>†</sup>	< LOQ		mg/55g	3.35	
CBN per 55g	< LOQ		mg/55g	1.79	
CBT per 55g <sup>†</sup>	< LOQ		mg/55g	1.79	
$\Delta 8$ -THCV per 55g $^{\dagger}$	< LOQ		mg/55g	1.79	
$\Delta 8$ -THC per 55g $^{\dagger}$	< LOQ		mg/55g	1.79	
Δ9-THC per 55g	2.62		mg/55g	1.79	
exo-THC per 55g <sup>†</sup>	< 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 <sup>†</sup>	< LOQ		mg/55g	1.79	
THCV-A per 55g <sup>†</sup>	< LOQ		mg/55g	1.79	
THCV-Total per 55g <sup>†</sup>	< 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





Report Number: 21-006607/D002.R000

**Report Date:** 06/18/2021 **ORELAP#:** OR100028

**Purchase Order:** 

**Received:** 06/14/21 15:33



# Hemp / Cannabis Usable / Extract / Finished Products Chain of Custody Record

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021 ORELAP ID: **OR100028** 



				Α	nalysi	is Req	ueste	d				PO Number:				
CHAIN OF CUSTODY  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		- OR 59 compounds	Pesticide Multi-Residue – 379 compounds			Moisture & Water Activity		Vicro: Yeast and Mold	Vicro: E.Coli and Total Coliform	Metals	8	SI	Project Number:  Project Name:  Custom Reporting:  Report to State -		ETRC or    Other:  Business Day Standard Turnaround  Business Day Rush Turnaround*  Business Day Rush Turnaround*	
ab  Client Sample Identification	Date	Time	Pesticides	Pesticide	Potency	Residual Solvents	Moisture	Terpenes	Micro: Ye	Micro: E.0	Heavy Me	Mycotoxins	Other:	Sample Type †	Weight (Units)	Comments/Metrc ID
1 #149v2 NunNums 1 #152,200 Lotion					V									T	19 -	- loong per Gram is out target
																Report in mg/gr and % (percentage)
Relinquished By: Merv 44	Date 6/14/24	Time	(	)n	Re	eceived	Ву:			-	H-210		733	Evidence Sample i	of cooling:   n good condition	Lab Use Only:  or Client drop  Yes L No - Temp (°C): 22 9  Or Yes   No CC   Net:





**Report Number:** 21-006607/D002.R000

Report Date: 06/18/2021 ORELAP#: OR100028

**Purchase Order:** 

Received: 06/14/21 15:33

Revision #: 0.00 Control : CFL-D06 Revision Date: 05/31/2019 Effective Date: 05/31/2019

		Labor	atory (	Quality Co	ntrol Results							
J AOAC 2015 V	AOAC 2015 V98-6 Batch ID: 2105380											
Laboratory Conf	aboratory 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						
CBDA	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						
CBD	0.00923	0.01	%	92.3	85.0 - 115	Acceptable						
THCV	0.00894	0.01	%	89.4	85.0 - 115	Acceptable						
d8THCV	0.00922	0.01	%	92.2	85.0 - 115	Acceptable						
THCVA	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	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBDV	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBE	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBDA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBGA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBG	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBD	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
THCV	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
d8THCV	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
THCVA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBN	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
exo-THC	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
d9THC	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
d8THC	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBL	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBC	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
THCA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBCA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBLA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBT	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	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





**Report Number:** 21-006607/D002.R000

Report Date: 06/18/2021 ORELAP#: OR100028

**Purchase Order:** 

Received: 06/14/21 15:33

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 Duplic	ate			Sample ID: <b>21-006568-0001</b>									
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes					
CBDVA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></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< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBGA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBG	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBD	0.458	0.500	0.003	%	8.83	< 20	Acceptable						
THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
d8THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
THCVA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBN	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
exo-THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
d9THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
d8THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBL	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
THCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBLA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable						
CBT	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></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





**Report Number:** 21-006607/D002.R000

Report Date: 06/18/2021 ORELAP#: OR100028

**Purchase Order:** 

06/14/21 15:33 Received:

# 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	Quantitaion level raised due to matrix interference.
В	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.