



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



**Report Number:** 21-010586/D003.R000  
**Report Date:** 09/16/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/09/21 14:51

**Customer:** Healthy Roots  
**Product identity:** Cit. Hib. BB  
**Client/Metric ID:** .  
**Laboratory ID:** 21-010586-0007

### Summary

#### Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per 204g	218 mg/204g
CBC	0.00268		%			
CBD	0.107		%			
CBE†	0.000739		%		THC-Total per 204g	9.32 mg/204g
CBG†	0.000875		%			
Δ9-THC	0.00457		%			(Reported in milligrams per serving)
Analyte per 204g	Result	Limits	Units	Status		
CBC per 204g†	5.47		mg/204g			
CBD per 204g	218		mg/204g			
CBE per 204g†	1.51		mg/204g			
CBG per 204g†	1.79		mg/204g			
Δ9-THC per 204g	9.32		mg/204g			



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**Customer:** Healthy Roots

**Product identity:** Cit. Hib. BB

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-010586-0007

**Evidence of Cooling:** No

**Temp:** 23.8 °C

**Relinquished by:** Client

**Serving Size #1:** 204 g

## Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2108243	Analyze: 9/15/21 10:41:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00268		%	0.0007	
CBC-A <sup>†</sup>	< LOQ		%	0.0007	
CBC-Total <sup>†</sup>	0.00268		%	0.0012	
CBD	0.107		%	0.0007	
CBD-A	< LOQ		%	0.0007	
CBD-Total	0.107		%	0.0012	
CBDV <sup>†</sup>	< LOQ		%	0.0007	
CBDV-A <sup>†</sup>	< LOQ		%	0.0007	
CBDV-Total <sup>†</sup>	< LOQ		%	0.0012	
CBE <sup>†</sup>	0.000739		%	0.0007	
CBG <sup>†</sup>	0.000875		%	0.0007	
CBG-A <sup>†</sup>	< LOQ		%	0.0007	
CBG-Total	< LOQ		%	0.0012	
CBL <sup>†</sup>	< LOQ		%	0.0007	
CBL-A <sup>†</sup>	< LOQ		%	0.0007	
CBL-Total <sup>†</sup>	< LOQ		%	0.0012	
CBN	< LOQ		%	0.0007	
CBT <sup>†</sup>	< LOQ		%	0.0007	
Δ8-THCV	< LOQ		%	0.0007	
Δ8-THC <sup>†</sup>	< LOQ		%	0.0007	
Δ9-THC	0.00457		%	0.0007	
THC-A	< LOQ		%	0.0007	
THC-Total	0.00457		%	0.0012	
THCV <sup>†</sup>	< LOQ		%	0.0007	
THCV-A <sup>†</sup>	< LOQ		%	0.0007	
THCV-Total <sup>†</sup>	< LOQ		%	0.0012	
<b>Total Cannabinoids<sup>†</sup></b>	<b>0.116</b>		%		

Potency per 204g	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2108243	Analyze: 9/15/21 10:41:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 204g <sup>†</sup>	5.47		mg/204g	1.35	
CBC-A per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
CBC-Total per 204g <sup>†</sup>	5.47		mg/204g	2.54	



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Potency per 204g Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2108243 Analyze: 9/15/21 10:41:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBD per 204g	218		mg/204g	1.35	
CBD-A per 204g	< LOQ		mg/204g	1.35	
CBD-Total per 204g	218		mg/204g	2.54	
CBDV per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
CBDV-A per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
CBDV-Total per 204g <sup>†</sup>	< LOQ		mg/204g	2.53	
CBE per 204g <sup>†</sup>	1.51		mg/204g	1.35	
CBG per 204g <sup>†</sup>	1.79		mg/204g	1.35	
CBG-A per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
CBG-Total per 204g <sup>†</sup>	< LOQ		mg/204g	2.53	
CBL per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
CBL-A per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
CBL-Total per 204g <sup>†</sup>	< LOQ		mg/204g	2.54	
CBN per 204g	< LOQ		mg/204g	1.35	
CBT per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
Δ8-THCV per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
Δ8-THC per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
Δ9-THC per 204g	9.32		mg/204g	1.35	
exo-THC per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
THC-A per 204g	< LOQ		mg/204g	1.35	
THC-Total per 204g	9.32		mg/204g	2.54	
THCV per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
THCV-A per 204g <sup>†</sup>	< LOQ		mg/204g	1.35	
THCV-Total per 204g <sup>†</sup>	< LOQ		mg/204g	2.54	
Total Cannabinoids per 204g	236		mg/204g		



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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/204g = Milligram per 204g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner  
General Manager



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### 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

Company:				Analysis Requested										PO Number:		
CHAIN OF CUSTODY														Project Number:		
Company: Healthy Roots														Project Name:		
Contact: Liz Merritt														Custom Reporting:		
Address: 14325 NE Airport Way, #113														Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other:		
Portland, OR 97230														Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround		
Email: Healthyrootshemp@gmail.com														<input type="checkbox"/> 3 Business Day Rush Turnaround*		
Phone: 503-496-2329														<input type="checkbox"/> 2 Business Day Rush Turnaround*		
License: AG-L 1052211FP														*Check for availability		
Billing (if different):														Sampled by:		
Lab ID	Client Sample Identification	Date	Time	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Sample Type †	Weight (Units)	Comments/Metric ID
1	Lavender puck					X								T	101.5g	103.8g  Report in mg/gr and % (percentage)
2	Lemongrass puck					X								T	91.5g	
3	Cit. Flb. puck					X								T	100.9g	
4	Rose/mint puck					X								T	108.7g	
5	Lavender BB					X								T	195.4g	
6	Lemongrass BB					X								T	180.7g	
7	Cit. Flb. BB					X								T	204.0g	
8	Rose/mint BB					X								T	185.7g	
Relinquished By:				Date	Time	Received By:				Date	Time	Lab Use Only:				
Merritt				9/9	2:51pm	DS				9/9/21	14:51	<input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): 23.8°C Sample in good condition: <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: _____ Prelog storage: _____				

† - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms  
12423 NE Whitaker Way  
Portland, OR 97230  
P: (503) 254-1794 | Fax: (503) 254-1452  
info@columbialaboratories.com  
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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

Company:				Analysis Requested										PO Number:		
CHAIN OF CUSTODY														Project Number:		
Company: Healthy Roots														Project Name:		
Contact: Liz Merritt														Custom Reporting:		
Address: 14325 NE Airport Way, #113														Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other:		
Portland, OR 97230														Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround		
Email: Healthyrootshemp@gmail.com														<input type="checkbox"/> 3 Business Day Rush Turnaround*		
Phone: 503-496-2329														<input type="checkbox"/> 2 Business Day Rush Turnaround*		
License: AG-L 1052211FP														*Check for availability		
Billing (if different):														Sampled by:		
Lab ID	Client Sample Identification	Date	Time	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Sample Type †	Weight (Units)	Comments/Metric ID
9	Nirvana Soap					X								T	154.8g	Report in mg/gr and % (percentage)
10	Nag champa Soap					X								T	151.1g	
11	Breaking Waves Soap					X								T	152.5g	
12	Bergamot Black Tea Soap					X								T	144.3g	
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only:								
Merritt		9/9	2:51 PM	DS		9/9/21	14:51	<input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop								
								Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): 23.8°C								
								Sample in good condition: <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No								
								<input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net:								
								Prelog storage: _____								

† - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

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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: 2108243

#### Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.00897	0.01	%	89.7	85.0 - 115	Acceptable	
CBDV	0.00991	0.01	%	99.1	85.0 - 115	Acceptable	
CBE	0.00964	0.01	%	96.4	85.0 - 115	Acceptable	
CBD	0.00925	0.01	%	92.5	85.0 - 115	Acceptable	
CBGA	0.00905	0.01	%	90.5	85.0 - 115	Acceptable	
CBG	0.00951	0.01	%	95.1	85.0 - 115	Acceptable	
THCV	0.00981	0.01	%	98.1	85.0 - 115	Acceptable	
d8THCV	0.00975	0.01	%	97.5	85.0 - 115	Acceptable	
THCVA	0.00936	0.01	%	93.6	85.0 - 115	Acceptable	
THCVA	0.00856	0.01	%	85.6	85.0 - 115	Acceptable	
CBN	0.0102	0.01	%	102	85.0 - 115	Acceptable	
exo-THC	0.00907	0.01	%	90.7	85.0 - 115	Acceptable	
d9THC	0.00992	0.01	%	99.2	85.0 - 115	Acceptable	
d8THC	0.00954	0.01	%	95.4	85.0 - 115	Acceptable	
CBL	0.00860	0.01	%	86.0	85.0 - 115	Acceptable	
CBC	0.00967	0.01	%	96.7	85.0 - 115	Acceptable	
THCA	0.00940	0.01	%	94.0	85.0 - 115	Acceptable	
CBCA	0.00884	0.01	%	88.4	85.0 - 115	Acceptable	
CBLA	0.00970	0.01	%	97.0	85.0 - 115	Acceptable	
CBT	0.00954	0.01	%	95.4	85.0 - 115	Acceptable	

#### Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDV	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBE	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBD	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBGA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
d8THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBN	<LOQ	0.0006	%	< 0.0006	Acceptable	
exo-THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
d9THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
d8THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBL	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBC	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBLA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBT	<LOQ	0.0006	%	< 0.0006	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: 2108243						
Sample Duplicate		Sample ID: 21-010428-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0165	0.0166	0.003	%	0.620	< 20	Acceptable	
CBD	0.591	0.591	0.003	%	0.0381	< 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	0.00438	0.00431	0.003	%	1.62	< 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.