



Customer: Healthy Roots
Product identity: Lemon Grass Orange Bath Bomb
Client/Metric ID: .
Laboratory ID: 19-015319-0004

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC [†]	0.00351		%		CBD-Total per 188g 49.1 mg/188g
CBD	0.0223		%		
CBD-A	0.00436		%		THC-Total per 188g < 11.769 mg/188
Δ9-THC	0.00153		%		(Reported in milligrams per serving)
Analyte per 188g	Result	Limits	Units	Status	
CBC per 188g [†]	6.60		mg/188g		
CBD per 188g	41.9		mg/188g		
CBD-A per 188g	8.20		mg/188g		



Customer: Healthy Roots

Product identity: Lemon Grass Orange Bath Bomb

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-015319-0004

Relinquished by: Liz Merritt

Temp: 18.5 °C

Serving Size #1: 188 g

Sample Results

Potency		Batch: 1911558					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	0.00351		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBC-A [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBC-Total [†]	0.00369		%	0.0012	12/20/19	J AOAC 2015 V98-6	
CBD	0.0223		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBD-A	0.00436		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBD-Total	0.0261		%	0.0012	12/20/19	J AOAC 2015 V98-6	
CBDV [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBDV-A [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBDV-Total [†]	< LOQ		%	0.0012	12/20/19	J AOAC 2015 V98-6	
CBG [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBG-A [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBG-Total [†]	< LOQ		%	0.0012	12/20/19	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
Δ8-THC [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
Δ9-THC	0.00153		%	0.0007	12/20/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
THC-Total	0.00153		%	0.0012	12/20/19	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
THCV-A [†]	< LOQ		%	0.0007	12/20/19	J AOAC 2015 V98-6	
THCV-Total [†]	< LOQ		%	0.0012	12/20/19	J AOAC 2015 V98-6	

Potency per 188g		Batch: 1911558					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 188g [†]	6.60		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
CBC-A per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
CBC-Total per 188g [†]	< LOQ		mg/188g	11.8	12/20/19	J AOAC 2015 V98-6	
CBD per 188g	41.9		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
CBD-A per 188g	8.20		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
CBD-Total per 188g	49.1		mg/188g	11.8	12/20/19	J AOAC 2015 V98-6	
CBDV per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	



Potency per 188g		Batch: 1911558					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBDV-A per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
CBDV-Total per 188g [†]	< LOQ		mg/188g	11.7	12/20/19	J AOAC 2015 V98-6	
CBG per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
CBG-A per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
CBG-Total per 188g [†]	< LOQ		mg/188g	11.8	12/20/19	J AOAC 2015 V98-6	
CBL per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
CBN per 188g	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
Δ8-THC per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
Δ9-THC per 188g	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
THC-A per 188g	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
THC-Total per 188g	< LOQ		mg/188g	11.8	12/20/19	J AOAC 2015 V98-6	
THCV per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
THCV-A per 188g [†]	< LOQ		mg/188g	6.27	12/20/19	J AOAC 2015 V98-6	
THCV-Total per 188g [†]	< LOQ		mg/188g	11.7	12/20/19	J AOAC 2015 V98-6	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



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/188g = Milligram per 188g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record 19-015319

ORELAP ID: OR100028

<p>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</p>		<p>Analysis Requested</p>										<p>Purchase Order Number: Project Number: Project Name:</p>						
<p>CHAIN OF CUSTODY</p>		<p>Pesticides — OR 59 compounds Pesticide Multi-Residue — 379 compounds Potency Residual Solvents Water Activity Moisture Terpenes Micro: Yeast and Mold Micro: E. Coli and Total Coliform Heavy Metals Mycotoxins Other</p>										<p><input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other:</p>						
Client Sample Identification	Date/Time Collected												Sample Type	Weight	Serving size for edibles	<p>Report in mg/gr and % (percentage)</p>	<p>ID</p>	
#44/Deep Relief													100gr					
Rosemary/Mint Bath Bomb													198g					
Lavender Bath Bomb													202g					
Lemongrass/Orange Bath Bomb													188g					
#46/Rose Butter													27gr					
#47 MCT/OIL/FSO													1gr					

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)	<i>[Signature]</i>	12/16/19	4:40	<i>[Signature]</i>	12-16-19	16:40	Client Alias: Order Number: Proper Container Sample Condition Temperature: 18.5 Shipped Via: CLIENT Evidence of cooling: <input checked="" type="checkbox"/>

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
Effective 05/22/2019 Revised 05/22/2019 www.columbiafoodlab.com

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



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: 1911558**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.0100	0.01	%	100	85.0 - 115	Acceptable	
CBDV	0.0103	0.01	%	103	85.0 - 115	Acceptable	
CBD-A	0.00983	0.01	%	98.3	85.0 - 115	Acceptable	
CBG-A	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBG	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBD	0.00977	0.01	%	97.7	85.0 - 115	Acceptable	
THCV	0.0102	0.01	%	102	85.0 - 115	Acceptable	
THCVA	0.00981	0.01	%	98.1	85.0 - 115	Acceptable	
CBN	0.00973	0.01	%	97.3	85.0 - 115	Acceptable	
THC	0.00986	0.01	%	98.6	85.0 - 115	Acceptable	
D8THC	0.0105	0.01	%	105	85.0 - 115	Acceptable	
CBL	0.0100	0.01	%	100	85.0 - 115	Acceptable	
CBC	0.0106	0.01	%	106	85.0 - 115	Acceptable	
THCA	0.00925	0.01	%	92.5	85.0 - 115	Acceptable	
CBCA	0.00973	0.01	%	97.3	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDV	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBD-A	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBG-A	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBD	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBN	<LOQ	0.0006	%	< 0.0006	Acceptable	
THC	<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	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



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: 1911558							
Sample Duplicate		Sample ID: 19-015096-0001							
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	0.434	0.440	0.003	%	1.24	< 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



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.