



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



Report Number: 20-007247/D02.R00
Report Date: 07/17/2020
ORELAP#: OR100028
Purchase Order:
Received: 07/13/20 16:09

Customer: Healthy Roots
Product identity: 50mg Citrus White Bath Bomb
Client/Metric ID: .
Laboratory ID: 20-007247-0004

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC-A [†]	0.00124		%		CBD-Total per 197g 58.2 mg/197g
CBD	0.0105		%		
CBD-A	0.0217		%		THC-Total per 197g <LOQ
CBG-A [†]	0.000737		%		
Δ9-THC	0.000763		%		(Reported in milligrams per serving)
Analyte per 197g	Result	Limits	Units	Status	
CBC-A per 197g	2.44		mg/197g		
CBD per 197g	20.7		mg/197g		
CBD-A per 197g	42.7		mg/197g		
CBG-A per 197g	1.45		mg/197g		
Δ9-THC per 197g	1.50		mg/197g		

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 Columbia Laboratories 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.



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Product identity: 50mg Citrus White Bath Bomb

Client/Metric ID: .

Sample Date:

Laboratory ID: 20-007247-0004

Relinquished by: Liz Merritt

Temp: 26.9 °C

Sample Results

Potency					
Method J AOAC 2015 V98-6 (mod) Batch: 2005820 Analyze: 7/16/20 2:49:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.0007	
CBC-A†	0.00124		%	0.0007	
CBC-Total†	< LOQ		%	0.0012	
CBD	0.0105		%	0.0007	
CBD-A	0.0217		%	0.0007	
CBD-Total	0.0295		%	0.0012	
CBDV†	< LOQ		%	0.0007	
CBDV-A†	< LOQ		%	0.0007	
CBDV-Total†	< LOQ		%	0.0012	
CBG†	< LOQ		%	0.0007	
CBG-A†	0.000737		%	0.0007	
CBG-Total	< LOQ		%	0.0012	
CBL†	< LOQ		%	0.0007	
CBN	< LOQ		%	0.0007	
Δ8-THC†	< LOQ		%	0.0007	
Δ9-THC	0.000763		%	0.0007	
THC-A	< LOQ		%	0.0007	
THC-Total	< LOQ		%	0.0012	
THCV†	< LOQ		%	0.0007	
THCV-A†	< LOQ		%	0.0007	
THCV-Total†	< LOQ		%	0.0012	
Total Cannabinoids†	0.0349		%		

Potency per 197g					
Method J AOAC 2015 V98-6 (mod) Batch: 2005820 Analyze: 7/16/20 2:49:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 197g	< LOQ		mg/197g	1.31	
CBC-A per 197g	2.44		mg/197g	1.31	
CBC-Total per 197g	< LOQ		mg/197g	2.45	
CBD per 197g	20.7		mg/197g	1.31	
CBD-A per 197g	42.7		mg/197g	1.31	
CBD-Total per 197g	58.2		mg/197g	2.45	
CBDV per 197g	< LOQ		mg/197g	1.31	
CBDV-A per 197g	< LOQ		mg/197g	1.31	
CBDV-Total per 197g	< LOQ		mg/197g	2.44	

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Potency per 197g **Method** J AOAC 2015 V98-6 (mod) **Batch:** 2005820 **Analyze:** 7/16/20 2:49:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBG per 197g	< LOQ		mg/197g	1.31	
CBG-A per 197g	1.45		mg/197g	1.31	
CBG-Total per 197g	< LOQ		mg/197g	2.44	
CBL per 197g	< LOQ		mg/197g	1.31	
CBN per 197g	< LOQ		mg/197g	1.31	
Δ 8-THC per 197g	< LOQ		mg/197g	1.31	
Δ 9-THC per 197g	1.50		mg/197g	1.31	
THC-A per 197g	< LOQ		mg/197g	1.31	
THC-Total per 197g	< LOQ		mg/197g	2.45	
THCV per 197g	< LOQ		mg/197g	1.31	
THCV-A per 197g	< LOQ		mg/197g	1.31	
THCV-Total per 197g	< LOQ		mg/197g	2.45	
Total Cannabinoids 197g[†]	69.5		mg/197g		

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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/197g = Milligram per 197g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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Report Number: 20-007247/D02.R00
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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: 2005820**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00996	0.01	%	99.6	85.0 - 115	Acceptable	
CBDV	0.0105	0.01	%	105	85.0 - 115	Acceptable	
CBD-A	0.0106	0.01	%	106	85.0 - 115	Acceptable	
CBG-A	0.00983	0.01	%	98.3	85.0 - 115	Acceptable	
CBG	0.00992	0.01	%	99.2	85.0 - 115	Acceptable	
CBD	0.0115	0.01	%	115	85.0 - 115	Acceptable	
THCV	0.00987	0.01	%	98.7	85.0 - 115	Acceptable	
THCVA	0.00965	0.01	%	96.5	85.0 - 115	Acceptable	
CBN	0.0106	0.01	%	106	85.0 - 115	Acceptable	
THC	0.0105	0.01	%	105	85.0 - 115	Acceptable	
D8THC	0.00904	0.01	%	90.4	85.0 - 115	Acceptable	
CBL	0.00922	0.01	%	92.2	85.0 - 115	Acceptable	
CBC	0.0103	0.01	%	103	85.0 - 115	Acceptable	
THCA	0.00965	0.01	%	96.5	85.0 - 115	Acceptable	
CBCA	0.00924	0.01	%	92.4	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



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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: 2005820						
Sample Duplicate		Sample ID: 20-007074-0001						
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	0.104	0.103	0.003	%	0.984	< 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	0.00376	0.00372	0.003	%	1.14	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.00411	0.00409	0.003	%	0.618	< 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.