



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



Report Number: 24-007537/D001.R001
Report Date: 07/23/2024
ORELAP#: OR100028
Purchase Order:
Received: 07/11/24 11:33

This is an amended version of report# 24-007537/D001.R000.
Reason: updated client information

Customer: Seventh Hill Releaf LLC
Product identity: Blueberry Muffin 3-1 THCV
Client/Metric ID: BBM3010241
Laboratory ID: 24-007537-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBG	0.00623		%		Delta-9-THC-Total per 30.9 mg/17g
Δ9-THC	0.182		%		
Δ9-THCV	0.0605		%		CBD-Total per Serving Size <LOQ
					(Reported in milligrams per serving)
Analyte per 17g	Result	Limits	Units	Status	
CBG per 17g	1.06		mg/17g		
Δ9-THC per 17g	30.9		mg/17g		
Δ9-THCV per 17g	10.3		mg/17g		



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Customer: Seventh Hill Releaf LLC
 215 S 19th St
 Springfield Oregon 97477
 United States of America (USA)

Product identity: Blueberry Muffin 3-1 THCv
Client/Metric ID: BBM3010241

Sample Date:
Laboratory ID: 24-007537-0001
Evidence of Cooling: Yes
Temp: 22.4 °C
Serving Size #1: 17 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2405416	Analyze: 7/17/24 9:21:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.00320	
CBC-A	< LOQ		%	0.00320	
CBC-Total	< LOQ		%	0.00600	
CBD [±]	< LOQ		%	0.00320	
CBD-A [±]	< LOQ		%	0.00320	
CBD-Total [±]	< LOQ		%	0.00600	
CBDV	< LOQ		%	0.00320	
CBDV-A	< LOQ		%	0.00320	
CBDV-Total	< LOQ		%	0.00597	
CBE	< LOQ		%	0.00320	
CBG	0.00623		%	0.00320	
CBG-A	< LOQ		%	0.00320	
CBG-Total	0.00623		%	0.00597	
CBL	< LOQ		%	0.00320	
CBL-A	< LOQ		%	0.00320	
CBL-Total	< LOQ		%	0.00600	
CBN	< LOQ		%	0.00320	
CBT	< LOQ		%	0.00320	
Δ10-THC-9R	< LOQ		%	0.00320	
Δ10-THC-9S	< LOQ		%	0.00320	
Δ10-THC-Total	< LOQ		%	0.00640	
Δ8-THC [±]	< LOQ		%	0.00320	
Δ8-THCV	< LOQ		%	0.00320	
Δ9-THC [±]	0.182		%	0.00320	
Δ9-THC-A [±]	< LOQ		%	0.00320	
Δ9-THC-Total [±]	0.182		%	0.00600	
Δ9-THCP	< LOQ		%	0.00320	
Δ9-THCV	0.0605		%	0.00320	
Δ9-THCV-A	< LOQ		%	0.00320	
Δ9-THCV-Total	0.0605		%	0.00597	
exo-THC	< LOQ		%	0.00320	



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Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2405416	Analyze: 7/17/24 9:21:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
HHC (9R-Hexahydrocannabinol)	< LOQ		%	0.00320	
HHC (9S-Hexahydrocannabinol)	< LOQ		%	0.00320	
THC-O-Acetate, delta-8	< LOQ		%	0.00320	
THC-O-Acetate, delta-9	< LOQ		%	0.00320	
Total Cannabinoids	0.249		%		

Potency per 17g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2405416	Analyze: 7/17/24 9:21:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 17g	< LOQ		mg/17g	0.544	
CBC-A per 17g	< LOQ		mg/17g	0.544	
CBC-Total per 17g	< LOQ		mg/17g	1.02	
CBD per 17g	< LOQ		mg/17g	0.544	
CBD-A per 17g [±]	< LOQ		mg/17g	0.544	
CBD-Total per 17g [±]	< LOQ		mg/17g	1.02	
CBDV per 17g	< LOQ		mg/17g	0.544	
CBDV-A per 17g	< LOQ		mg/17g	0.544	
CBDV-Total per 17g	< LOQ		mg/17g	1.01	
CBE per 17g	< LOQ		mg/17g	0.544	
CBG per 17g	1.06		mg/17g	0.544	
CBG-A per 17g	< LOQ		mg/17g	0.544	
CBG-Total per 17g	1.06		mg/17g	1.01	
CBL per 17g	< LOQ		mg/17g	0.544	
CBL-A per 17g	< LOQ		mg/17g	0.544	
CBL-Total per 17g	< LOQ		mg/17g	1.02	
CBN per 17g	< LOQ		mg/17g	0.544	
CBT per 17g	< LOQ		mg/17g	0.544	
Δ10-THC-9R per 17g	< LOQ		mg/17g	0.544	
Δ10-THC-9S per 17g	< LOQ		mg/17g	0.544	
Δ10-THC-Total per 17g	< LOQ		mg/17g	1.09	
Δ8-THC per 17g [±]	< LOQ		mg/17g	0.544	
Δ8-THCV per 17g	< LOQ		mg/17g	0.544	
Δ9-THC per 17g [±]	30.9		mg/17g	0.544	
Δ9-THC-Total per 17g	30.9		mg/17g	1.02	
Δ9-THCP per 17g	< LOQ		mg/17g	0.544	
Δ9-THCV per 17g	10.3		mg/17g	0.544	
Δ9-THCV-A per 17g	< LOQ		mg/17g	0.544	
Δ9-THCV-Total per 17g	10.3		mg/17g	1.02	
exo-THC per 17g	< LOQ		mg/17g	0.544	
HHC (9R-Hexahydrocannabinol) per	< LOQ		mg/17g	0.544	
HHC (9S-Hexahydrocannabinol) per	< LOQ		mg/17g	0.544	
THC-A per 17g [±]	< LOQ		mg/17g	0.544	
THC-O-Acetate, delta-8 per 17g	< LOQ		mg/17g	0.544	
THC-O-Acetate, delta-9 per 17g	< LOQ		mg/17g	0.544	
Total Cannabinoids per 17g	42.3		mg/17g		



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

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.

^p = ISO/IEC 17025:2017 accredited method.

[⊥] = TNI accredited analyte.

Units of Measure

g = Gram

mg/17g = Milligram per 17g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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**Hemp & Cannabis
 Chain of Custody**

**Seventh-Hill-CBD-
 1720647685**

							Testing		
Company Details Company: <u>Seventh Hill CBD</u> Contact: <u>Jordan Dunn</u> Street Address: <u>215 South 19th Street</u> City, State, Zip: <u>Springfield, OR 97477</u> Email: <u>jordandunn@seventhhillcbd.com</u> Contact Phone: <u>5415912620</u> Company Phone: <u>15415912620</u> Billing Information Billing Phone: <u>15415912620</u> Billing Email: <u>jordandunn@seventhhillcbd.com</u>			Project Details Turnaround Time: <u>3 Business Days Surcharges Apply</u> Relinquishment Sampling, Courier & Shipping Options: <u>By Shipping Service (USPS, UPS, FedEx)</u> Compliance: <u>Research and Development (RND)</u> Receipt Information Prelog Storage: <u>R-01</u> Sample Condition: <u>Satisfactory</u>				H001B - Potency Cannabis (Basic+Expanded+ADCs)	H0014 - Potency Cannabis (Basic)	H0010 - Potency Cannabis (Basic+Expanded)
#	Sample Name	Material	METRC ID	Amount Provided	Reporting Unit	Specifications			
1	Blueberry Muffin 3-1 THCv	Cannabinoid Edible	BBM301024I	20 g	% & mg/serving	17g per Serving	✓		
2	Coffee 6-1	Cannabinoid Edible	CC300524I	20 g	% & mg/serving	17grams per Serving		✓	
3	Freebird 1-1	Cannabinoid Edible	FB202024I	20 g	% & mg/serving	17grams per Serving			✓
4	3-1 Fudge	Cannabinoid Edible	FDG301024I	15 g	% & mg/serving	12.5 Grams Per Serving			✓

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Jordan Taylor Dunn</i>	<i>07/10/2024</i>	<i>14:41</i>	<i>ont</i>	<i>07/11/2024</i>	<i>11:33</i>	<i>22.40</i>	<i>Yes</i>

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories
 12423 NE Whitaker Way
 Portland, OR 97230

P: (503) 254-1794
info@columbiaboratories.com

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www.columbiaboratories.com


 Revision: 4 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results
AOAC 2015 V98-6 **Batch ID: 2405416**
Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0306	0.0319	%	96.1	80.0 - 120	Acceptable	
CBDV	2	0.0324	0.0341	%	94.8	80.0 - 120	Acceptable	
CBE	2	0.0318	0.0340	%	93.4	80.0 - 120	Acceptable	
CBDA	1	0.0301	0.0307	%	98.2	90.0 - 110	Acceptable	
CBGA	1	0.0302	0.0312	%	96.8	80.0 - 120	Acceptable	
CBG	1	0.0353	0.0370	%	95.6	80.0 - 120	Acceptable	
CBD	1	0.0340	0.0357	%	95.3	90.0 - 110	Acceptable	
THCV	2	0.0281	0.0292	%	96.3	80.0 - 120	Acceptable	
d8THCV	2	0.0299	0.0318	%	94.0	80.0 - 120	Acceptable	
THCVA	2	0.0307	0.0318	%	96.6	80.0 - 120	Acceptable	
CBN	1	0.0325	0.0339	%	96.0	80.0 - 120	Acceptable	
exo-THC	2	0.0299	0.0317	%	94.3	80.0 - 120	Acceptable	
d9THC	1	0.0335	0.0347	%	96.4	90.0 - 110	Acceptable	
d8THC	1	0.0288	0.0309	%	93.2	90.0 - 110	Acceptable	
9S-d10THC	1	0.0303	0.0324	%	93.5	80.0 - 120	Acceptable	
CBL	2	0.0316	0.0328	%	96.2	80.0 - 120	Acceptable	
9S-HHC	3	0.0316	0.0335	%	94.4	80.0 - 120	Acceptable	
9R-d10THC	1	0.0293	0.0318	%	92.2	80.0 - 120	Acceptable	
CBC	2	0.0313	0.0343	%	91.3	80.0 - 120	Acceptable	
9R-HHC	3	0.0310	0.0331	%	93.6	80.0 - 120	Acceptable	
THCA	1	0.0310	0.0313	%	99.0	90.0 - 110	Acceptable	
CBCA	2	0.0314	0.0330	%	95.3	80.0 - 120	Acceptable	
CBLA	2	0.0323	0.0336	%	96.1	80.0 - 120	Acceptable	
d9THCP	2	0.0302	0.0329	%	91.9	80.0 - 120	Acceptable	
d8THCO	3	0.0305	0.0325	%	93.9	80.0 - 120	Acceptable	
CBT	2	0.0297	0.0338	%	87.8	80.0 - 120	Acceptable	
d9THCO	3	0.0276	0.0308	%	89.6	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBDV	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBE	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBDA	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBGA	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBG	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBD	<LOQ	0.00323	%	< 0.00323	Acceptable	
THCV	<LOQ	0.00323	%	< 0.00323	Acceptable	
d8THCV	<LOQ	0.00323	%	< 0.00323	Acceptable	
THCVA	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBN	<LOQ	0.00323	%	< 0.00323	Acceptable	
exo-THC	<LOQ	0.00323	%	< 0.00323	Acceptable	
d9THC	<LOQ	0.00323	%	< 0.00323	Acceptable	
d8THC	<LOQ	0.00323	%	< 0.00323	Acceptable	
9S-d10THC	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBL	<LOQ	0.00323	%	< 0.00323	Acceptable	
9S-HHC	<LOQ	0.00323	%	< 0.00323	Acceptable	
9R-d10THC	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBC	<LOQ	0.00323	%	< 0.00323	Acceptable	
9R-HHC	<LOQ	0.00323	%	< 0.00323	Acceptable	
THCA	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBCA	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBLA	<LOQ	0.00323	%	< 0.00323	Acceptable	
d9THCP	<LOQ	0.00323	%	< 0.00323	Acceptable	
d8THCO	<LOQ	0.00323	%	< 0.00323	Acceptable	
CBT	<LOQ	0.00323	%	< 0.00323	Acceptable	
d9THCO	<LOQ	0.00323	%	< 0.00323	Acceptable	

Abbreviations

ND - None Detected at or above MRI



Laboratory Quality Control Results

AOAC 2015 V98-6		Batch ID: 2405416						
Sample Duplicate		Sample ID: 24-007537-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBG	0.00608	0.00623	0.00327	%	2.37	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
THCV	0.0594	0.0605	0.00327	%	1.87	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
d9THC	0.178	0.182	0.00327	%	1.83	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
9S-HHC	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
9R-HHC	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
d8THCO	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00327	%	NA	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.00327	%	NA	< 20	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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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.