Columbia LABORATORIES
A Tentamus Company

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

Customer:	Seventh Hill Releaf LLC
Product identity:	SH 3-1 Caramel
Client/Metrc ID:	301020231
Laboratory ID:	23-012738-0003

Summary

Potency:

Analyte	Result	Limits	Units	Status
CBD	0.0807		%	
CBD-A	0.00700		%	
CBG	0.00849		%	
CBN	0.00344		%	
Δ9-THC	0.206		%	

Analyte per 16g	Result	Limits	Units	Status
CBD per 16g	12.9		mg/16g	
CBD-A per 16g	1.12		mg/16g	
CBG per 16g	1.36		mg/16g	
CBN per 16g	0.550		mg/16g	
Δ9-THC per 16g	33.0		mg/16g	

THC-Total per Serving Size	33.0 mg/16g
CBD-Total per Serving Size	13.9 mg/16g

(Reported in milligrams per serving)

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REPORT NUMBER:	23-012738/D004.R000
Report Date:	11/01/2023
ORELAP#:	OR100028
Purchase Order:	
Received:	10/26/23 16:11

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

Product identity:	SH 3-1 Caramel
Client/Metrc ID:	301020231
Sample Date:	
Laboratory ID:	23-012738-0003
Evidence of Cooling:	No
Temp:	17.7 °C
Relinquished by:	shipping
Serving Size #1:	16 g

Sample Results

Potency	**Method:** J AOAC 2015 V98-6 (mod)ᵖ		**Units** %	**Batch:** 2312331	**Analyze:** 10/27/23 8:49:00 PM
Analyte	**Result**	**Limits**	**Units**	**LOQ**	**Notes**
CBD	0.0807		%	0.00318	
CBD-A	0.00700		%	0.00318	
CBD-Total	0.0868		%	0.00597	
CBG	0.00849		%	0.00318	
CBG-A	< LOQ		%	0.00318	
CBG-Total	0.00849		%	0.00593	
CBN	0.00344		%	0.00318	
Δ10-THC-9R	< LOQ		%	0.00318	
Δ10-THC-9S	< LOQ		%	0.00318	
Δ10-THC-Total	< LOQ		%	0.00636	
Δ8-THC	< LOQ		%	0.00318	
Δ9-THC	0.206		%	0.00318	
THC-A	< LOQ		%	0.00318	
THC-Total	0.206		%	0.00597	
Total Cannabinoids	**0.306**		%		

Potency per 16g	**Method:** J AOAC 2015 V98-6 (mod)ᵖ		**Units** mg/se	**Batch:** 2312331	**Analyze:** 10/27/23 8:49:00 PM
Analyte	**Result**	**Limits**	**Units**	**LOQ**	**Notes**
CBD per 16g	12.9		mg/16g	0.508	
CBD-A per 16g	1.12		mg/16g	0.508	
CBD-Total per 16g	13.9		mg/16g	0.954	
CBG per 16g	1.36		mg/16g	0.508	
CBG-A per 16g	< LOQ		mg/16g	0.508	
CBG-Total per 16g	1.36		mg/16g	0.949	
CBN per 16g	0.550		mg/16g	0.508	
Δ10-THC-9R per 16g	< LOQ		mg/16g	0.508	
Δ10-THC-9S per 16g	< LOQ		mg/16g	0.508	
Δ10-THC-Total per 16g	< LOQ		mg/16g	1.02	
Δ8-THC per 16g	< LOQ		mg/16g	0.508	
Δ9-THC per 16g	33.0		mg/16g	0.508	

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Potency per 16g	**Method:** J AOAC 2015 V98-6 (mod)[b]		**Units** mg/se **Batch:** 2312331		**Analyze:** 10/27/23 8:49:00 PM
Analyte	**Result**	**Limits**	**Units**	**LOQ**	**Notes**
THC-A per 16g	< LOQ		mg/16g	0.508	
THC-Total per 16g	33.0		mg/16g	0.954	

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.

þ = ISO/IEC 17025:2017 accredited method.

Units of Measure

g = g
mg/16g = Milligram per 16g
% = Percentage of sample
% wt = μg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 — **Batch ID: 2312331**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits			Evaluation	Notes
CBDVA	2	0.0326	0.0323	%	101	80.0	-	120	Acceptable	
CBDV	2	0.0337	0.0337	%	100.0	80.0	-	120	Acceptable	
CBE	2	0.0362	0.0358	%	101	80.0	-	120	Acceptable	
CBDA	1	0.0329	0.0322	%	102	90.0	-	110	Acceptable	
CBGA	1	0.0329	0.0329	%	99.9	80.0	-	120	Acceptable	
CBG	1	0.0367	0.0368	%	99.7	80.0	-	120	Acceptable	
CBD	1	0.0333	0.0313	%	106	90.0	-	110	Acceptable	
THCV	2	0.0340	0.0345	%	98.6	80.0	-	120	Acceptable	
d8THCV	2	0.0293	0.0283	%	104	80.0	-	120	Acceptable	
THCVA	2	0.0312	0.0312	%	100	80.0	-	120	Acceptable	
CBN	1	0.0327	0.0329	%	99.6	80.0	-	120	Acceptable	
exo-THC	2	0.0314	0.0315	%	99.9	80.0	-	120	Acceptable	
d9THC	1	0.0364	0.0365	%	99.6	90.0	-	110	Acceptable	
d8THC	1	0.0336	0.0340	%	98.7	90.0	-	110	Acceptable	
9S-d10THC	1	0.0339	0.0337	%	101	80.0	-	120	Acceptable	
CBL	2	0.0332	0.0332	%	100	80.0	-	120	Acceptable	
9R-d10THC	1	0.0332	0.0336	%	98.9	80.0	-	120	Acceptable	
CBC	2	0.0338	0.0342	%	98.7	80.0	-	120	Acceptable	
THCA	1	0.0339	0.0337	%	101	90.0	-	110	Acceptable	
CBCA	2	0.0337	0.0338	%	99.7	80.0	-	120	Acceptable	
CBLA	2	0.0345	0.0342	%	101	80.0	-	120	Acceptable	
d9THCP	2	0.0329	0.0334	%	98.5	80.0	-	120	Acceptable	
CBT	2	0.0332	0.0343	%	96.7	80.0	-	120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBDV	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBE	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBDA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBGA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBG	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBD	<LOQ	0.00313	%	< 0.00313	Acceptable	
THCV	<LOQ	0.00313	%	< 0.00313	Acceptable	
d8THCV	<LOQ	0.00313	%	< 0.00313	Acceptable	
THCVA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBN	<LOQ	0.00313	%	< 0.00313	Acceptable	
exo-THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
d9THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
d8THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
9S-d10THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBL	<LOQ	0.00313	%	< 0.00313	Acceptable	
9R-d10THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBC	<LOQ	0.00313	%	< 0.00313	Acceptable	
THCA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBCA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBLA	<LOQ	0.00313	%	< 0.00313	Acceptable	
d9THCP	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBT	<LOQ	0.00313	%	< 0.00313	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: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6					Batch ID: 2312331			
Sample Duplicate					Sample ID: 23-012696-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBG	0.00374	0.00377	0.00308	%	0.832	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBN	0.00592	0.00583	0.00308	%	1.56	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
d9THC	0.253	0.252	0.00308	%	0.448	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00308	%	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	Quantitaion 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.