Columbia LABORATORIES
A Tentamus Company

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

REPORT NUMBER: 23-001439/D002.R000
Report Date: 02/09/2023
ORELAP#: OR100028
Purchase Order:
Received: 02/02/23 15:16

Customer: IHC LLC
Product identity: 0113LIRVAP200_Lava
Client/Metrc ID: .
Laboratory ID: 23-001439-0001

Summary

Potency:

Analyte	Result (%)
HHC (9R-Hexahydrocannabinol)	59.6
HHC (9S-Hexahydrocannabinol)	24.3
CBD-A	3.20
CBG-A	0.255
THC-A	0.252
CBN	0.133
Δ8-THC	0.109

Pie chart legend:
- HHC (9R-Hexahydrocannabinol)
- HHC (9S-Hexahydrocannabinol)
- CBD-A
- CBG-A
- THC-A
- CBN
- 8-THC

CBD-Total	2.81%
THC-Total	0.221%

(Reported in percent of total sample)

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Received:	02/02/23 15:16

Customer:	IHC LLC
	825 NW 16th Ave
	Portland Oregon 97209
	United States of America (USA)
Product identity:	0113LIRVAP200_Lava
Client/Metrc ID:	.
Sample Date:	
Laboratory ID:	23-001439-0001
Evidence of Cooling:	No
Temp:	20.1
Relinquished by:	client

THE HEMP COLLECT

Sample Results

Potency	**Method:** J AOAC 2015 V98-6 (mod)ᵖ			**Units** %	**Batch:** 2301164	**Analyze:** 2/6/23 8:40:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBD	< LOQ		0.0727	
CBD-A	3.20		0.0727	
CBD-Total	2.81		0.136	
CBG	< LOQ		0.0727	
CBG-A	0.255		0.0727	
CBG-Total	0.224		0.136	
CBN	0.133		0.0727	
Δ10-THC-9R	< LOQ		0.0727	
Δ10-THC-9S	< LOQ		0.0727	
Δ10-THC-Total	< LOQ		0.145	
Δ8-THC	0.109		0.0727	
Δ9-THC	< LOQ		0.0727	
HHC (9R-Hexahydrocannabinol)	59.6		0.727	
HHC (9S-Hexahydrocannabinol)	24.3		0.727	
THC-A	0.252		0.0727	
THC-O-Acetate, delta-8	< LOQ		0.0727	
THC-O-Acetate, delta-9	< LOQ		0.0727	
THC-Total	0.221		0.136	
Total Cannabinoids	87.8			

- ● HHC (9R-Hexahydrocannabinol)
- ● HHC (9S-Hexahydrocannabinol)
- ● CBD-A
- ● CBG-A
- ● THC-A
- ● CBN
- ● 8-THC

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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.

þ = ISO/IEC 17025:2017 accredited method.

Units of Measure

% = Percentage of sample

% wt = μg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

![Columbia Laboratories logo] **Columbia** LABORATORIES — A Tentamus Company

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Columbia LABORATORIES — A Tentamus Company

Hemp / Cannabis Usable / Extract / Finished
Chain of Custody Record
Revision: 4.00 Control#: CF023 Rev 02/24/2023 Eff. 03/
ORELAP ID: OR100028

Handwritten note (on sticky note):
- photo on report
  ↳ KOI
- RSOL method for flower?
- Lab rec THCP? will they add a standard soon?

Company: The Hemp Collect
Contact: kyle@thehempcollect.com
Street: 451 NW Flanders st.
City: Portland   **State:** OR   **Zip:** 97209
☑ **Email Results:** dropbox (IHC)
Ph: (610 6081643)   Fx Results: (   )
Billing if different: joel@thehempcollect.com

Analysis Requested

Lab ID	Client Sample Identification	Date	Time	Pesticides – OR 59 compounds	Pesticide Multi-Residue – 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:	
1	0113LIRVAP200_Lava					x								C
2	D8 GMY_BlueMel_v2					x								E
3	Live D9 GMY									x	x	x		E
4	Live D9 GMY_GA_20					x								E
5	Live D8 GMY_Huck_20					x								E
6	Bubba D8 Flower						x					x		V
7														
8														
9														
10														

Sample #1: H0015 potency panel
Sample #2: Unit serving size is 3.30 g
Samples #3-#5: Unit serving size is 8.0 g
Sample #6: Alternate client name: KOI CBD. Can photo of sample be included in COA? Also, client requested to test Residual Solvents on a flower per CA compliance if possible.

Relinquished By	Date	Time	Received By	Date	Time	Lab Use Only
Kyle Farook	2/2	3:00 PM	AC	2-2	15:16	☐ Shipped Via: ____ or ☑ Client drop Evidence of cooling? ☐ Yes | ☑ No - Temp (°C): 20, 1 Sample in good condition? ☑ Yes | ☐ No ____ ☐ Cash | ☐ Check | ☐ CC | ☐ Net: ____ Prelog storage: ____

* - Sample Type Codes: Vegetation [V] ; Isolates [I] ; Extract/Concentrate [C] ; Tincture/Topical [T] ; Edible [E] ; Beverage [B]

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P: (503) 254-1794 | Fax: (503) 254-1452
info@columbialaboratories.com

Page ____ of ____
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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

| J AOAC2015 V986 | | | | | Batch ID: 2301164 | | | |

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits			Evaluation	Notes
CBDVA	2	0.107	0.101	%	106	80.0	-	120	Acceptable	
CBDV	2	0.118	0.108	%	109	80.0	-	120	Acceptable	
CBE	2	0.110	0.105	%	105	80.0	-	120	Acceptable	
CBDA	1	0.0953	0.095	%	101	90.0	-	110	Acceptable	
CBGA	1	0.0962	0.096	%	100	80.0	-	120	Acceptable	
CBG	1	0.0994	0.099	%	100.0	80.0	-	120	Acceptable	
CBD	1	0.101	0.101	%	100	90.0	-	110	Acceptable	
THCV	2	0.105	0.103	%	102	80.0	-	120	Acceptable	
d8THCV	2	0.110	0.107	%	103	80.0	-	120	Acceptable	
THCVA	2	0.102	0.097	%	105	80.0	-	120	Acceptable	
CBN	1	0.0997	0.101	%	98.3	80.0	-	120	Acceptable	
exo-THC	2	0.104	0.101	%	102	80.0	-	120	Acceptable	
d9THC	1	0.102	0.103	%	98.3	90.0	-	110	Acceptable	
d8THC	1	0.100	0.103	%	97.2	90.0	-	110	Acceptable	
9Sd10THC	1	0.0990	0.103	%	95.9	80.0	-	120	Acceptable	
CBL	2	0.102	0.102	%	100	80.0	-	120	Acceptable	
9SHHC	3	0.0923	0.100	%	92.3	80.0	-	120	Acceptable	
9Rd10THC	1	0.0928	0.096	%	97.0	80.0	-	120	Acceptable	
CBC	2	0.109	0.106	%	103	80.0	-	120	Acceptable	
9R-HHC	3	0.0875	0.100	%	87.5	80.0	-	120	Acceptable	
THCA	1	0.0937	0.097	%	96.8	90.0	-	110	Acceptable	
CBCA	2	0.108	0.103	%	105	80.0	-	120	Acceptable	
CBLA	2	0.108	0.104	%	104	80.0	-	120	Acceptable	
d8THCO	3	0.0922	0.100	%	92.2	80.0	-	120	Acceptable	
CBT	2	0.102	0.106	%	96.3	80.0	-	120	Acceptable	
d9THCO	3	0.0963	0.100	%	96.3	80.0	-	120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBDV	<LOQ	0.077	%	< 0.077	Acceptable	
CBE	<LOQ	0.077	%	< 0.077	Acceptable	
CBDA	<LOQ	0.077	%	< 0.077	Acceptable	
CBGA	<LOQ	0.077	%	< 0.077	Acceptable	
CBG	<LOQ	0.077	%	< 0.077	Acceptable	
CBD	<LOQ	0.077	%	< 0.077	Acceptable	
THCV	<LOQ	0.077	%	< 0.077	Acceptable	
d8THCV	<LOQ	0.077	%	< 0.077	Acceptable	
THCVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBN	<LOQ	0.077	%	< 0.077	Acceptable	
exo-THC	<LOQ	0.077	%	< 0.077	Acceptable	
d9THC	<LOQ	0.077	%	< 0.077	Acceptable	
d8THC	<LOQ	0.077	%	< 0.077	Acceptable	
9Sd10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBL	<LOQ	0.077	%	< 0.077	Acceptable	
9SHHC	<LOQ	0.077	%	< 0.077	Acceptable	
9Rd10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBC	<LOQ	0.077	%	< 0.077	Acceptable	
9R-HHC	<LOQ	0.077	%	< 0.077	Acceptable	
THCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBLA	<LOQ	0.077	%	< 0.077	Acceptable	
d8THCO	<LOQ	0.077	%	< 0.077	Acceptable	
CBT	<LOQ	0.077	%	< 0.077	Acceptable	
d9THCO	<LOQ	0.077	%	< 0.077	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: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986						Batch ID: 2301164		
Sample Duplicate						Sample ID: 23-0013870001		
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	0.218	0.207	0.077	%	5.17	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	58.0	57.0	0.077	%	1.62	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	5.77	5.69	0.077	%	1.43	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	23.9	23.7	0.077	%	1.00	< 20	Acceptable	
9Sd10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9SHHC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9Rd10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9R-HHC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCO	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	

Abbreviations

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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.