



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



Report Number: 22-003918/D013.R000
Report Date: 04/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 04/06/22 14:41

Customer: IHC LLC
Product identity: 0103LIRVAP200_Lava
Client/Metric ID: .
Laboratory ID: 22-003918-0008

Summary

Potency:

Analyte	Result (%)		
Δ8-THC†	79.1		CBD-Total 5.28%
CBD-A	5.88		
CBN	0.366		THC-Total 0.184%
CBG-A†	0.255		
CBC-A†	0.247		(Reported in percent of total sample)
THC-A	0.210		
Δ8-THCV	0.161		
CBD	0.123		
CBDV-A†	0.0853		
CBT†	0.0846		



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



Report Number: 22-003918/D013.R000
Report Date: 04/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 04/06/22 14:41

Customer: IHC LLC
 825 NW 16th Ave
 Portland Oregon 97209
 United States of America (USA)

Product identity: 0103LIRVAP200_Lava

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-003918-0008

Evidence of Cooling: No

Temp: 25.1 °C

Relinquished by: Client



Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2203120	Analyze: 4/9/22 1:00:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0760			
CBC-A [†]	0.247		0.0760			
CBC-Total [†]	0.217		0.143			
CBD	0.123		0.0760			
CBD-A	5.88		0.0760			
CBD-Total	5.28		0.143			
CBDV [†]	< LOQ		0.0760			
CBDV-A [†]	0.0853		0.0760			
CBDV-Total [†]	< LOQ		0.142			
CBE [†]	< LOQ		0.0760			
CBG [†]	< LOQ		0.0760			
CBG-A [†]	0.255		0.0760			
CBG-Total	0.224		0.142			
CBL [†]	< LOQ		0.0760			
CBL-A [†]	< LOQ		0.0760			
CBL-Total [†]	< LOQ		0.143			
CBN	0.366		0.0760			
CBT [†]	0.0846		0.0760			
Δ8-THC [†]	79.1		0.760			
Δ8-THCV	0.161		0.0760			
Δ9-THC	< LOQ		0.0760			
THC-A	0.210		0.0760			
THC-Total	0.184		0.143			
THCV [†]	< LOQ		0.0760			
THCV-A [†]	< LOQ		0.0760			
THCV-Total [†]	< LOQ		0.142			
Total Cannabinoids[†]	86.5					

- 8-THC
- CBD-A
- CBN
- CBG-A
- CBC-A
- THC-A
- 8-THCV
- CBD
- CBDV-A
- CBT



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



Report Number: 22-003918/D013.R000
Report Date: 04/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 04/06/22 14:41

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, 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.

† = Analyte not NELAP accredited.

Units of Measure

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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

Report Number: 22-003918/D013.R000
 Report Date: 04/14/2022
 ORELAP#: OR100028
 Purchase Order:
 Received: 04/06/22 14:41



Hemp / Cannabis Usable / Extract / Finished Products
 Chain of Custody Record

Revision: 4.00 Control: CPO23 Rev 02/24/2021 Eff: 03/04/2021
 ORELAPID: OR000028

Company: IHU Contact: Kyle Harook Street: 431 NW Flinders st. City: Portland State: OR Zip: 97209 <input type="checkbox"/> Email Results: dropbox Pk: (01) 0Ud104 <input type="checkbox"/> Fx Results: (____) Billing (if different): bath@thehempcollect.co				Analysis Requested <input type="checkbox"/> Pesticides - Or 59 compounds <input type="checkbox"/> Pesticide Multi-Residue - 379 compounds <input type="checkbox"/> Potency <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Moisture & Water Activity <input type="checkbox"/> Terpenes <input type="checkbox"/> Micro-Yeast and Mold <input type="checkbox"/> Micro-Cof and Total Coliform <input type="checkbox"/> Heavy Metals <input type="checkbox"/> Mycotoxins <input type="checkbox"/> Other:								PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround <input type="checkbox"/> 3 Business Day Rush Turnaround* <input type="checkbox"/> 2 Business Day Rush Turnaround* <small>*Check for availability</small>					
Lab ID	Client Sample Identification	Date	Time	Pesticides - Or 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro-Yeast and Mold	Micro-Cof and Total Coliform	Heavy Metals	Mycotoxins	Other	Sample Type	Weight (Usual)	Comments/Notes ID
1	03VAP200_CGK					X									C		Samples #5, #6, #7, make copy in clients name: Mary Joe
2	03VAP200_KingLouis					X									C		
3	03VAP200_WC					X									C		
4	03VAP200_FF					X									C		
5	03VAP200_AJ					X									C		
6	03VAP200_SD					X									C		
7	03VAP200_BD					X									C		
8	0103LIRVAP200_Lava																
9	0103LIRVAP200_StSg																
10																	
Requisitioned by:		Date	Time	Received by:		Date	Time	Lab Use Only:									
Joel Thompson		4/8	2:30 PM	AC		4-6	14:41	<input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (C): <u>25.1</u> Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____									

* - Sample Type Codes: Vegetation (V) ; Isolates (I) ; Extract/Concentrate (E) ; Tincture/Topical (T) ; Edible (ED) ; Beverage (B)

Sample submitted to Columbia Laboratories with proper equipment (except as approved for service) is accepted with the understanding that the client is responsible for the accuracy of the results. By signing "Requisitioned by" you are agreeing to these terms.
 12423 NE Whitaker Way, Portland, OR 97230 P: (503) 254-1794 F: (503) 254-1432
 info@columbia-lab.com www.columbia-lab.com



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



Report Number: 22-003918/D013.R000
Report Date: 04/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 04/06/22 14:41

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2203120**

Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	0.0968	0.100	%	96.8	80.0	- 120	Acceptable		
CBDV	0.106	0.100	%	106	80.0	- 120	Acceptable		
CBE	0.0927	0.100	%	92.7	80.0	- 120	Acceptable		
CBDA	0.0965	0.100	%	96.5	90.0	- 110	Acceptable		
CBGA	0.0950	0.100	%	95.0	80.0	- 120	Acceptable		
CBG	0.0987	0.100	%	98.7	80.0	- 120	Acceptable		
CBD	0.0947	0.100	%	94.7	90.0	- 110	Acceptable		
THCV	0.0966	0.100	%	96.6	80.0	- 120	Acceptable		
d8THCV	0.0965	0.100	%	96.5	80.0	- 120	Acceptable		
THCVA	0.0933	0.100	%	93.3	80.0	- 120	Acceptable		
CBN	0.103	0.100	%	103	90.0	- 110	Acceptable		
exo-THC	0.0909	0.100	%	90.9	80.0	- 120	Acceptable		
d9THC	0.0989	0.100	%	98.9	90.0	- 110	Acceptable		
d8THC	0.0960	0.100	%	96.0	90.0	- 110	Acceptable		
CBL	0.0945	0.100	%	94.5	80.0	- 120	Acceptable		
CBC	0.0985	0.100	%	98.5	80.0	- 120	Acceptable		
THCA	0.0960	0.100	%	96.0	90.0	- 110	Acceptable		
CBCA	0.0979	0.100	%	97.9	80.0	- 120	Acceptable		
CBLA	0.0989	0.100	%	98.9	80.0	- 120	Acceptable		
CBT	0.0922	0.100	%	92.2	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		
CBL	< LOQ	0.077	%	< 0.077		Acceptable		
CBC	< 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		
CBT	< 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



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



Report Number: 22-003918/D013.R000
Report Date: 04/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 04/06/22 14:41

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

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2203120						
Sample Duplicate		Sample ID: 22-003878-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	0.372	0.335	0.077	%	10.4	< 20	Acceptable	
CBE	0.882	0.761	0.077	%	14.7	< 20	Acceptable	
CBDA	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
CBG	0.551	0.470	0.077	%	15.7	< 20	Acceptable	
CBD	68.8	65.6	0.077	%	4.72	< 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	0.690	0.591	0.077	%	15.4	< 20	Acceptable	
exo-THC	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
CBL	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
CBC	0.946	0.812	0.077	%	15.3	< 20	Acceptable	
THCA	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
BCA	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	< LOQ	< LOQ	0.077	%	NA	< 20	Acceptable	
CBT	1.11	1.11	0.077	%	0.586	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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



Report Number: 22-003918/D013.R000
Report Date: 04/14/2022
ORELAP#: OR100028
Purchase Order:
Received: 04/06/22 14:41





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.