



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



**Report Number:** 22-015800/D012.R000  
**Report Date:** 01/04/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 12/28/22 16:43

**Customer:** IHC LLC  
**Product identity:** 0103LIRVAP200\_Lava  
**Client/Metric ID:** .  
**Laboratory ID:** 22-015800-0005

### Summary

**Potency:**

Analyte	Result (%)		
Δ8-THC	77.4		
CBD-A	5.30		
CBC-A	0.562		
Δ8-THCV	0.294		
THC-A	0.207		
CBD	0.182		
CBG-A	0.151		
CBT	0.113		
			CBD-Total 4.83% ----- THC-Total 0.182% ----- (Reported in percent of total sample)



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**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:** 22-015800-0005

**Evidence of Cooling:** No

**Temp:** 15.2 °C

**Relinquished by:** Client



**THE HEMP  
 COLLECT**

### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) <sup>p</sup>			Units %	Batch: 2211000	Analyze: 12/29/22 11:43:00 P
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0741			
CBC-A	0.562		0.0741			
CBC-Total	0.493		0.139			
CBD	0.182		0.0741			
CBD-A	5.30		0.0741			
CBD-Total	4.83		0.139			
CBDV	< LOQ		0.0741			
CBDV-A	< LOQ		0.0741			
CBDV-Total	< LOQ		0.138			
CBE	< LOQ		0.0741			
CBG	< LOQ		0.0741			
CBG-A	0.151		0.0741			
CBG-Total	< LOQ		0.138			
CBL	< LOQ		0.0741			
CBL-A	< LOQ		0.0741			
CBL-Total	< LOQ		0.139			
CBN	< LOQ		0.0741			
CBT	0.113		0.0741			
Δ10-THC	< LOQ		0.0741			
Δ8-THC	77.4		0.741			
Δ8-THCV	0.294		0.0741			
Δ9-THC	< LOQ		0.0741			
exo-THC	< LOQ		0.0741			
THC-A	0.207		0.0741			
THC-Total	0.182		0.139			
THCV	< LOQ		0.0741			
THCV-A	< LOQ		0.0741			
THCV-Total	< LOQ		0.138			
<b>Total Cannabinoids</b>	<b>84.2</b>					



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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, 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.

<sup>b</sup> = ISO/IEC 17025:2017 accredited method.

**Units of Measure**

% = Percentage of sample

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

Approved Signatory

Derrick Tanner  
General Manager



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IHC LLC 22-015800  
  
IHC LLC



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

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021  
ORELAP ID: OR100028

Company: <u>The Hemp Collect</u> Contact: <u>kyle@thehempcollect.com</u> Street: <u>431 NW Flanders st.</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input checked="" type="checkbox"/> Email Results: <u>dropbox (IHC)</u> Ph: ( <u>503</u> ) <u>608164</u> Fx Results: ( ) Billing (if different): <u>joel@thehempcollect.com</u>				<b>Analysis Requested</b> <input type="checkbox"/> Pesticides - OR 59 compounds <input type="checkbox"/> Pesticide Multi-Residue - 375 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: E. Coli 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* <i>*Check for availability</i>				
Lab ID	Client Sample Identification	Date	Time													Sample Type †	Weight (Units)	Comments/Metric ID
1	010307LIRVAP200_PK						X									C		
2	010307LIRVAP200_Llama						X									C		
3	010307LIRVAP200_OCK						X									C		
4	0103LIRVAP200_WB						X									C		
5	0103LIRVAP200_Lava						X									C		
6	0103LIRVAP200_PB						X									C		
7	0103LIRVAP200_SP						X									C		
8	0103LIRVAP200_SG						X									C		
9	0103LIRVAP200_OG						X									C		
10	0103LIRVAP200_STs						X									C		
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only:										
Kyle Farook		12/27	12:00 P	AC		12-27	16:34	<input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop Evidence of cooling: <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No - Temp (°C): <u>15.2</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 (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms  
 12423 NE Whitaker Way  
Portland, OR 97230  
 P: (503) 254-1794 | Fax: (503) 254-1452  
 info@columbialaboratories.com  
 Page \_\_\_\_\_ of \_\_\_\_\_  
 www.columbialaboratories.com



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

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021  
ORELAP ID: OR100028

IHC LLC 22-015800



IHC LLC

Company: <u>The Hemp Collect</u> Contact: <u>kyle@thehempcollect.com</u> Street: <u>431 NW Flanders st.</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input checked="" type="checkbox"/> Email Results: <u>dropbox (IHC)</u> Ph: ( <u>503</u> ) <u>608164</u> <input type="checkbox"/> Fx Results: ( ) Billing (if different): <u>joel@thehempcollect.com</u>				<b>Analysis Requested</b>										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 - OR59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:	Sample Type †	Weight (Units)	Comments/Metric ID
1	0102030506LIRVAP_T	G				X									C		Samples #6 & #7: Alternate client name:  Vestl Oils
2	0102030506LIRVAP_F	V				X									C		
3	0102030506LIRVAP_G	J				X									C		
4	D8 - Sour Pineapple					X									V		
5	D8 - Lemon Meringue					X									V		
6	D8 Double - SSH					X									V		
7	D8 Double - SHH					X									V		
8																	
9																	
10																	
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only:									
Kyle Farook		12/27	12:00 F	AC		12-27	<del>12:00</del> 16:34	<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>15.2</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 (S) ; Extract/Concentrate (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2211000

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.104	0.101	%	103	80.0	- 120	Acceptable	
CBDV	2	0.113	0.110	%	102	80.0	- 120	Acceptable	
CBE	2	0.109	0.106	%	102	80.0	- 120	Acceptable	
CBDA	1	0.103	0.096	%	108	90.0	- 110	Acceptable	
CBGA	1	0.103	0.097	%	107	80.0	- 120	Acceptable	
CBG	1	0.104	0.095	%	109	80.0	- 120	Acceptable	
CBD	1	0.103	0.096	%	108	90.0	- 110	Acceptable	
THCV	2	0.109	0.105	%	103	80.0	- 120	Acceptable	
d8THCV	2	0.109	0.107	%	102	80.0	- 120	Acceptable	
THCVA	2	0.102	0.099	%	103	80.0	- 120	Acceptable	
CBN	1	0.107	0.099	%	108	80.0	- 120	Acceptable	
exo-THC	2	0.106	0.103	%	103	80.0	- 120	Acceptable	
d9THC	1	0.111	0.102	%	109	90.0	- 110	Acceptable	
d8THC	1	0.105	0.100	%	105	90.0	- 110	Acceptable	
CBL	2	0.106	0.100	%	106	80.0	- 120	Acceptable	
9S-HHC	3	0.0984	0.100	%	98	80.0	- 120	Acceptable	
d10THC	1	NA	0.092	%	NA	80.0	- 120	Acceptable	Q6
CBG	2	0.111	0.109	%	102	80.0	- 120	Acceptable	
9R-HHC	3	0.0896	0.100	%	90	80.0	- 120	Acceptable	
THCA	1	0.105	0.096	%	109	90.0	- 110	Acceptable	
CBCA	2	0.105	0.103	%	102	80.0	- 120	Acceptable	
CBLA	2	0.108	0.105	%	103	80.0	- 120	Acceptable	
d8THCO	3	0.103	0.100	%	103	80.0	- 120	Acceptable	
CBT	2	0.112	0.109	%	102	80.0	- 120	Acceptable	
d9THCO	3	0.110	0.100	%	110	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	
9S-HHC	<LOQ	0.077	%	< 0.077	Acceptable	
d10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBG	<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

J AOAC 2015 V98-6		Batch ID: 2211000						
Sample Duplicate		Sample ID: 22-015776-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	<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	
CBG	<LOQ	<LOQ	0.077	%	NA	< 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	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	0.248	0.276	0.077	%	10.7	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9S-HHC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d10THC	<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

ND - None Detected at or above MRL  
 RPD - Relative Percent Difference  
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Units of Measure:



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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.