



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



**Report Number:** 22-001139/D004.R000  
**Report Date:** 02/08/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/31/22 16:12

**Customer:** IHC LLC  
**Product identity:** 01LIRVAP200\_OG  
**Client/Metric ID:** .  
**Laboratory ID:** 22-001139-0010

### Summary

**Potency:**

Analyte	Result (%)			
CBD	38.5		CBD-Total	44.4%
CBC	7.67		THC-Total	<LOQ
CBD-A	6.71		(Reported in percent of total sample)	
CBT <sup>†</sup>	6.24			
CBE <sup>†</sup>	4.62			
CBN	4.39			
CBG <sup>†</sup>	3.81			
CBC-A <sup>†</sup>	0.699			
CBDV <sup>†</sup>	0.572			
THC-A	0.138			



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**Received:** 01/31/22 16:12

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

**Product identity:** 01LIRVAP200\_OG  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 22-001139-0010  
**Evidence of Cooling:** No  
**Temp:** 20.3 °C  
**Relinquished by:** Client



### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2201060	Analyze: 2/4/22 3:59:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	7.67		0.0835			
CBC-A†	0.699		0.0835			
CBC-Total†	8.28		0.157			
CBD	38.5		0.835			
CBD-A	6.71		0.0835			
CBD-Total	44.4		0.908			
CBDV†	0.572		0.0835			
CBDV-A†	< LOQ		0.0835			
CBDV-Total†	0.572		0.156			
CBE†	4.62		0.0835			
CBG†	3.81		0.0835			
CBG-A†	< LOQ		0.0835			
CBG-Total	3.81		0.156			
CBL†	< LOQ		0.0835			
CBL-A†	< LOQ		0.0835			
CBL-Total†	< LOQ		0.157			
CBN	4.39		0.0835			
CBT†	6.24		0.0835			
Δ8-THC†	< LOQ		0.0835			
Δ8-THCV	< LOQ		0.0835			
Δ9-THC	< LOQ		0.0835			
THC-A	0.138		0.0835			
THC-Total	< LOQ		0.157			
THCV†	< LOQ		0.0835			
THCV-A†	< LOQ		0.0835			
THCV-Total†	< LOQ		0.156			
<b>Total Cannabinoids†</b>	<b>73.3</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.

† = Analyte not NELAP accredited.

**Units of Measure**

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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

Revision: 4.00 Control: CP023 Rev 02/24/2021 Eff: 03/04/2021  
 ORELAPID: ORS00028

Company: <u>IHC</u> Contact: <u>Kyle Farook</u> Street: <u>431 NW Flanders st.</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input type="checkbox"/> Email Results: <u>dropbox</u> Ph: (503) <u>606104</u> <input type="checkbox"/> Fax Results: ( ) Billing (if different): <u>beth@thehempcollect.com</u>				<b>Analysis Requested</b> <input type="checkbox"/> Pesticides - OR 50 compounds <input type="checkbox"/> Pesticide Multi-Residue - 378 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* <small>*Check for availability</small> Sampled by: _____			
Lab ID	Client Sample Identification	Date	Time	Pesticides - OR 50 compounds	Pesticide Multi-Residue - 378 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	0100506LIRVAP200_PV	1/31				X									C		
2	0102506LIRVAP200_TS	1/31				X									C		
3	010307LIRVAP200_OGK	1/31				X									C		
4	010307LIRVAP200_Vanna	1/31				X									C		
5	010307LIRVAP200_hava	1/31				X									C		
6	010307LIRVAP200_PP	1/31				X									C		
7	01LIRVAP200_ST	1/31				X									C		
8	01LIRVAP200_SG	1/31				X									C		
9	01LIRVAP200_PB	1/31				X									C		
10	01LIRVAP200_OG	1/31				X									C		
Relinquished by:		Date	Time	Received by:		Date	Time	Lab Use Only:									
Kyle Farook		1/31	4:30	<i>[Signature]</i>		1/31	16:12	<input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes (-45 F to - Temp [°C]) <u>20.3</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 (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.

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 info@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

Company: <b>IHC</b> Contact: <b>Kyle Farook</b> Street: <b>431 NWlanders st.</b> City: <b>Portland</b> State: <b>OR</b> Zip: <b>97209</b> <input type="checkbox"/> Email Results: <b>dropbox</b> Ph: (503) 6091654 <input type="checkbox"/> Fax Results: ( ) Billing (if different): <b>beth@thehempcollect.com</b>				<b>Analysis Requested</b> <input type="checkbox"/> Particles - OR 50 compounds <input type="checkbox"/> Post-Kill Multi-Residue - 379 compounds <input type="checkbox"/> Potency <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Moisture & Water Activity <input type="checkbox"/> Terpene <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* <small>*Check for availability</small>			
Lab ID	Client Sample Identification	Date	Time	Particles - OR 50 compounds	Post-Kill Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpene	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:	Sample Type	Weight (Units)	Comments/Metric ID
11	010FLIRVAP200...RPM	1/31				X									C		
12	01020566LIRVAP200...TG	1/31				X									C		
13	0105LIRSUG200...SP	1/31				X									C		
14	0105LIRSUG200...SG	1/31				X									C		
15	0105LIRSUG200...66-K	1/31				X									C		
16	0105LIRSUG200...PS	1/31				X									C		
17	01020566LIRVAP200...PW	1/31				X									C		
18	01020566LIRSUG200...PW	1/31				X									C		
19	01020566LIRVAP200...FW	1/31				X									C		
20	01020566LIRSUG200...TG	1/31				X									C		
Requested by:		Date	Time	Received by:		Date	Time	Lab Use Only: <input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): <u>20.3</u> Sample in good condition: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: _____ Picking storage: _____									

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

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 12423 NE Whitaker Way Portland, OR 97230 P: (503) 254-1794 / Fax: (503) 254-1432 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: CP023 Rev 02/24/2021 Eff: 03/04/2021  
 ORELAP ID: OR100028

Company: <u>IHC</u> Contact: <u>Kyle Farook</u> Street: <u>431 NW Flanders St.</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input type="checkbox"/> Email Results: <u>dropbox</u> Ph: <u>(503) 608184</u> <input type="checkbox"/> Fax Results: <u>[ ]</u> Billing (if different): <u>beith@thehempcollect.com</u>				<b>Analysis Requested</b> <input type="checkbox"/> Pesticides - OR 38 compounds <input type="checkbox"/> Pesticide Multi-Residue - 379 compounds <input type="checkbox"/> Solvents <input type="checkbox"/> Acidity & Water Activity <input type="checkbox"/> Terpenes <input type="checkbox"/> Alcohols: Yeast and Molds <input type="checkbox"/> Alkalis: Total and Total Coliform <input type="checkbox"/> Heavy Metals <input type="checkbox"/> Mycotoxins <input type="checkbox"/> Others:										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 38 compounds	Pesticide Multi-Residue - 379 compounds	Solvents	Acidity & Water Activity	Terpenes	Alcohols: Yeast and Molds	Alkalis: Total and Total Coliform	Heavy Metals	Mycotoxins	Others	Sample Type 1	Weight (UNITS)	Comments/Metric ID
21	01007LIRBOR200-06K	1/31				X								C		
22	01LIR506200-SF	1/31				X								C		
23	01LIR506200-PB	1/31				X								C		
24	01LIR506200-06	1/31				X								C		
25	0102050LIRBOR200-TB	1/31				X								C		
26	0107LIRBOR200-06K	1/31				X								C		
27	0107LIRBOR200-PP	1/31				X								C		
28	01LIRCRM200-PB	1/31				X								C		
29	01LIRCRM200-SF	1/31				X								C		
30	0105FLTBMCL-FV	1/31				X		X						V		
Released by:			Date:	Time:	Received By:			Date:	Time:	Lab Use Only:						
Kyle Farook			1/31	4:30	<i>Jmw</i>			1/31/22	16:17	<input type="checkbox"/> Shipped Via: _____ of <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): <u>20.3</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) ; Extracts/Concentrates (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B)

Samples submitted to Columbia Laboratories with Oregon regulations compliance are guaranteed for services in accordance with the current terms of service associated with this COC. By signing "Released by" you are agreeing to these terms  
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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: 2201060								
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.185	0.2	%	92.7	85.0 - 115	Acceptable		
CBDV	0.208	0.2	%	104	85.0 - 115	Acceptable		
CBE	0.192	0.2	%	95.9	85.0 - 115	Acceptable		
CBDA	0.210	0.2	%	105	85.0 - 115	Acceptable		
CBGA	0.186	0.2	%	92.9	85.0 - 115	Acceptable		
CBG	0.190	0.2	%	95.2	85.0 - 115	Acceptable		
CBD	0.207	0.2	%	104	85.0 - 115	Acceptable		
THCV	0.187	0.2	%	93.4	85.0 - 115	Acceptable		
d8THCV	0.181	0.2	%	90.7	85.0 - 115	Acceptable		
THCVA	0.183	0.2	%	91.6	85.0 - 115	Acceptable		
CBN	0.204	0.2	%	102	85.0 - 115	Acceptable		
exo-THC	0.174	0.2	%	87.2	85.0 - 115	Acceptable		
d9THC	0.200	0.2	%	99.8	85.0 - 115	Acceptable		
d8THC	0.176	0.2	%	88.2	85.0 - 115	Acceptable		
CBL	0.180	0.2	%	89.9	85.0 - 115	Acceptable		
CBC	0.184	0.2	%	91.8	85.0 - 115	Acceptable		
THCA	0.200	0.2	%	99.9	85.0 - 115	Acceptable		
CBCA	0.189	0.2	%	94.4	85.0 - 115	Acceptable		
CBLA	0.200	0.2	%	100	85.0 - 115	Acceptable		
CBT	0.226	0.2	%	113	85.0 - 115	Acceptable		

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDVA	<LOQ	0.1	%	< 0.1	Acceptable		
CBDV	<LOQ	0.1	%	< 0.1	Acceptable		
CBE	<LOQ	0.1	%	< 0.1	Acceptable		
CBDA	<LOQ	0.1	%	< 0.1	Acceptable		
CBGA	<LOQ	0.1	%	< 0.1	Acceptable		
CBG	<LOQ	0.1	%	< 0.1	Acceptable		
CBD	<LOQ	0.1	%	< 0.1	Acceptable		
THCV	<LOQ	0.1	%	< 0.1	Acceptable		
d8THCV	<LOQ	0.1	%	< 0.1	Acceptable		
THCVA	<LOQ	0.1	%	< 0.1	Acceptable		
CBN	<LOQ	0.1	%	< 0.1	Acceptable		
exo-THC	<LOQ	0.1	%	< 0.1	Acceptable		
d9THC	<LOQ	0.1	%	< 0.1	Acceptable		
d8THC	<LOQ	0.1	%	< 0.1	Acceptable		
CBL	<LOQ	0.1	%	< 0.1	Acceptable		
CBC	<LOQ	0.1	%	< 0.1	Acceptable		
THCA	<LOQ	0.1	%	< 0.1	Acceptable		
CBCA	<LOQ	0.1	%	< 0.1	Acceptable		
CBLA	<LOQ	0.1	%	< 0.1	Acceptable		
CBT	<LOQ	0.1	%	< 0.1	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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**Laboratory Quality Control Results**

J AOAC 2015 V98-6								
Batch ID: 2201060								
Sample Duplicate								
Sample ID: 22-001139-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	3.77	3.76	0.1	%	0.129	< 20	Acceptable	
CBDV	1.74	1.74	0.1	%	0.178	< 20	Acceptable	
CBE	0.336	0.331	0.1	%	1.55	< 20	Acceptable	
CBDA	5.57	5.56	0.1	%	0.181	< 20	Acceptable	
CBGA	0.143	0.143	0.1	%	0.145	< 20	Acceptable	
CBG	4.34	4.33	0.1	%	0.264	< 20	Acceptable	
CBD	6.51	6.40	0.1	%	1.73	< 20	Acceptable	
THCV	0.272	0.266	0.1	%	2.12	< 20	Acceptable	
d8THCV	1.65	1.64	0.1	%	0.661	< 20	Acceptable	
THCVA	0.180	0.179	0.1	%	0.427	< 20	Acceptable	
CBN	0.410	0.404	0.1	%	1.46	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	57.9	57.8	0.1	%	0.132	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	0.593	0.604	0.1	%	1.87	< 20	Acceptable	
THCA	0.212	0.213	0.1	%	0.245	< 20	Acceptable	
CBCA	0.420	0.420	0.1	%	0.0228	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	0.782	0.644	0.1	%	19.5	< 20	Acceptable	

**Abbreviations**

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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.