



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



**Report Number:** 22-001139/D031.R000  
**Report Date:** 02/08/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/31/22 16:12

**Customer:** IHC LLC  
**Product identity:** 010307LIRBDR200\_OGK  
**Client/Metric ID:** .  
**Laboratory ID:** 22-001139-0021

### Summary

#### Potency:

Analyte	Result (%)			
CBN	41.9		CBD-Total	13.4%
Δ8-THC <sup>†</sup>	35.4		THC-Total	0.181%
CBD	8.43		(Reported in percent of total sample)	
CBD-A	5.67			
CBE <sup>†</sup>	1.03			
THC-A	0.206			
CBG-A <sup>†</sup>	0.161			
CBG <sup>†</sup>	0.125			



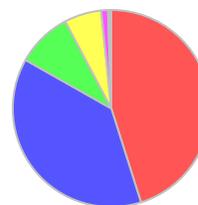
**Customer:** IHC LLC  
 825 NW 16th Ave  
 Portland Oregon 97209  
 United States of America (USA)

**Product identity:** 010307LIRBDR200\_OGK  
**Client/Metric ID:** .  
**Sample Date:** .  
**Laboratory ID:** 22-001139-0021  
**Evidence of Cooling:** No  
**Temp:** 20.3 °C  
**Relinquished by:** Client


**THE HEMP  
 COLLECT**

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)		Units %	Batch: 2201015	Analyze: 2/3/22 12:01:00 AM
Analyte	As Received	Dry weight	LOQ	Notes	
CBC	< LOQ		0.0854		
CBC-A†	< LOQ		0.0854		
CBC-Total†	< LOQ		0.160		
CBD	8.43		0.0854		
CBD-A	5.67		0.0854		
CBD-Total	13.4		0.160		
CBDV†	< LOQ		0.0854		
CBDV-A†	< LOQ		0.0854		
CBDV-Total†	< LOQ		0.159		
CBE†	1.03		0.0854		
CBG†	0.125		0.0854		
CBG-A†	0.161		0.0854		
CBG-Total	0.266		0.159		
CBL†	< LOQ		0.0854		
CBL-A†	< LOQ		0.0854		
CBL-Total†	< LOQ		0.160		
CBN	41.9		0.854		
CBT†	< LOQ		0.0854		
Δ8-THC†	35.4		0.854		
Δ8-THCV	< LOQ		0.0854		
Δ9-THC	< LOQ		0.0854		
THC-A	0.206		0.0854		
THC-Total	0.181		0.160		
THCV†	< LOQ		0.0854		
THCV-A†	< LOQ		0.0854		
THCV-Total†	< LOQ		0.159		
<b>Total Cannabinoids†</b>	<b>92.9</b>				



- CBN
- Δ8-THC
- CBD
- CBD-A
- CBE
- THC-A
- CBG-A
- CBG



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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 =  $\mu\text{g/g}$  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#: CF023 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) 608164</u> <input type="checkbox"/> Fx Results: ( ) Billing (if different): <u>beth@thehempcollect.com</u>				<b>Analysis Requested</b> Pesticides - OR 59 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:										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* *Check for availability Sampled by: _____			
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: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Sample Type †	Weight (Units)	Comments/Metric ID
1	0102030506LIRVAP200-FV	1/31				X									C		
2	0102030506LIRVAP200-TG	1/31				X									C		
3	010307LIRVAP200-OGK	1/31				X									C		
4	010307LIRVAP200-Ilama	1/31				X									C		
5	010307LIRVAP200-lava	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	Jmv				<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 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@columbiaboratories.com Page \_\_\_\_\_ of \_\_\_\_\_ www.columbiaboratories.com



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

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Sampled by: _____														Sample Type † Weight (Units) Comments/Metrc ID			
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: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Sample Type †	Weight (Units)	Comments/Metrc ID
11	0107LIRVAP200-11ama	1/31				X									C		
12	01020506LIRVAP200-TG	1/31				X									C		
13	0103LIRSUG200-SP	1/31				X									C		
14	0103LIRSUG200-SG	1/31				X									C		
15	0103LIRSUG200-OG-K	1/31				X									C		
16	0103LIRSUG200-PB	1/31				X									C		
17	0102030506LIRVAP200-PW	1/31				X									C		
18	0102030506LIRSUG200-PW	1/31				X									C		
19	0102030506LIR <sup>SUG</sup> 200-FW	1/31				X									C		
20	0102030506LIRSUG200-TG	1/31				X									C		
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only:									
Kyle Farook		1/31	4:30	Amw		1/31/22	16:17	<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 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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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: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:	Sample Type †	Weight (Units)	Comments/Metrc ID
21	010307LIRBDR200-06K	1/31				X									C		
22	01LIRS06-200-SP	1/31				X									C		
23	01LIRS06-200-PB	1/31				X									C		
24	01LIRS06-200-06	1/31				X									C		
25	01020506LIRBDR200-T6	1/31				X									C		
26	0107LIRBDR200-06K	1/31				X									C		
27	0107LIRBDR200-PP	1/31				X									C		
28	01LIRCRM200-PB	1/31				X									C		
29	01LIRCRM200-SP	1/31				X									C		
30	0105FLTBMCFV	1/31				X			X						V		
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only:									
Kyle Farook		1/31	4:30	Amu		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 type="checkbox"/> Yes   <input checked="" type="checkbox"/> No <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: _____ Prelog storage: _____									

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

Laboratory Quality Control Results

JAOAC2015 V986							
Batch ID: 22009642201015							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDA	0.182	0.198	%	92.1	85.0 - 115	Acceptable	
CBV	0.206	0.205	%	101	85.0 - 115	Acceptable	
CBF	0.190	0.200	%	94.8	85.0 - 115	Acceptable	
CBDA	0.212	0.200	%	106	85.0 - 115	Acceptable	
CBGA	0.186	0.200	%	92.9	85.0 - 115	Acceptable	
CBG	0.189	0.205	%	92.4	85.0 - 115	Acceptable	
CB	0.207	0.200	%	103	85.0 - 115	Acceptable	
THCV	0.183	0.203	%	90.1	85.0 - 115	Acceptable	
d8THCV	0.185	0.200	%	92.5	85.0 - 115	Acceptable	
THCVA	0.173	0.192	%	89.9	85.0 - 115	Acceptable	
CBN	0.217	0.200	%	108	85.0 - 115	Acceptable	
exo-THC	0.173	0.200	%	86.3	85.0 - 115	Acceptable	
d8THC	0.197	0.200	%	98.5	85.0 - 115	Acceptable	
d8THC	0.185	0.201	%	91.9	85.0 - 115	Acceptable	
CBL	0.171	0.192	%	89.4	85.0 - 115	Acceptable	
CB	0.188	0.211	%	89.1	85.0 - 115	Acceptable	
THCA	0.201	0.200	%	101	85.0 - 115	Acceptable	
CBCA	0.189	0.204	%	92.7	85.0 - 115	Acceptable	
CBA	0.204	0.200	%	102	85.0 - 115	Acceptable	
CBF	0.183	0.200	%	91.4	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	<LOQ	0.1	%	< 0.1	Acceptable	
CBV	<LOQ	0.1	%	< 0.1	Acceptable	
CBF	<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	
CB	<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	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CB	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBA	<LOQ	0.1	%	< 0.1	Acceptable	
CBF	<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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 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 22009642201015						
Sample Duplicate		Sample ID: 22-001016-0003						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	0.366	0.353	0.1	%	3.48	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	65.4	63.4	0.1	%	3.24	< 20	Acceptable	
CB	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CB	0.414	0.405	0.1	%	2.22	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL  
 RPD - Relative Percent Difference  
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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.