



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



Report Number: 22-001596/D008.R000
Report Date: 02/17/2022
ORELAP#: OR100028
Purchase Order:
Received: 02/10/22 16:55

Customer: IHC LLC
Product identity: 0103LIRFTM112_LK
Client/Metric ID: .
Laboratory ID: 22-001596-0007

Summary

Potency:

Analyte	Result (%)		
Δ8-THC†	36.2		CBD-Total 5.84%
CBG-A†	6.35		THC-Total 0.268%
CBD-A	6.32		(Reported in percent of total sample)
CBC-A†	0.674		
THC-A	0.306		
Δ8-THCV	0.300		
CBD	0.295		
CBG†	0.225		
CBC	0.0866		



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

Product identity: 0103LIRFTM112_LK
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-001596-0007
Evidence of Cooling: No
Temp: 21.5 °C
Relinquished by: Client



**THE HEMP
 COLLECT**

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2201416	Analyze: 2/16/22 7:44:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	0.0866		0.0298			
CBC-A†	0.674		0.0298			
CBC-Total†	0.678		0.0560			
CBD	0.295		0.0298			
CBD-A	6.32		0.0298			
CBD-Total	5.84		0.0560			
CBDV†	< LOQ		0.0298			
CBDV-A†	< LOQ		0.0298			
CBDV-Total†	0.000		0.0000			
CBE†	< LOQ		0.0298			
CBG†	0.225		0.0298			
CBG-A†	6.35		0.0298			
CBG-Total	5.80		0.0557			
CBL†	< LOQ		0.0298			
CBL-A†	< LOQ		0.0298			
CBL-Total†	0.000		0.0000			
CBN	< LOQ		0.0298			
CBT†	< LOQ		0.0298			
Δ8-THC†	36.2		0.298			
Δ8-THCV	0.300		0.0298			
Δ9-THC	< LOQ		0.0298			
THC-A	0.306		0.0298			
THC-Total	0.268		0.0560			
THCV†	< LOQ		0.0298			
THCV-A†	< LOQ		0.0298			
THCV-Total†	0.000		0.0000			
Total Cannabinoids†	50.8					



Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0430



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

Company: IHC Contact: Kyle Farook Street: 431 NW Flanders st. City: Portland State: OR Zip: 97209 <input type="checkbox"/> Email Results: dropbox Ph: (503) 6081664 <input type="checkbox"/> Fx Results: () Billing (if different): beth@thempcollect.cor				Analysis Requested 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* <small>*Check for availability</small>																																																																																																																																																																																				
<table border="1"> <thead> <tr> <th>Lab ID</th> <th>Client Sample Identification</th> <th>Date</th> <th>Time</th> <th>Pesticides - OR 59 compounds</th> <th>Pesticide Multi-Residue -- 379 compounds</th> <th>Potency</th> <th>Residual Solvents</th> <th>Moisture & Water Activity</th> <th>Terpenes</th> <th>Micro: Yeast and Mold</th> <th>Micro: E. Coli and Total Coliform</th> <th>Heavy Metals</th> <th>Mycotoxins</th> <th>Other:</th> <th>Sample Type †</th> <th>Weight (Units)</th> <th>Comments/Metric ID</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>01LIRTNC200_PB</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>T</td> <td></td> <td rowspan="10">-Samples #1-3: report units in mg_analyte per 28.5g unit size.</td> </tr> <tr> <td>2</td> <td>1101LIRTNC200_OG</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>T</td> <td></td> </tr> <tr> <td>3</td> <td>0103LIRTNC200_PB</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>T</td> <td></td> </tr> <tr> <td>4</td> <td>01LIR209_..._llama_Fx</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C</td> <td></td> </tr> <tr> <td>5</td> <td>01LIR209_..._STs_Fx</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C</td> <td></td> </tr> <tr> <td>6</td> <td>01LIR209_..._OG_Fx</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>C</td> <td></td> </tr> <tr> <td>7</td> <td>0103LIRFTM112_LK</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> </tr> <tr> <td>8</td> <td>0103FTM112_BC</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> </tr> <tr> <td>9</td> <td>0103FTM112_FF</td> <td>2/10</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>V</td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	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	01LIRTNC200_PB	2/10				X									T		-Samples #1-3: report units in mg_analyte per 28.5g unit size.	2	1101LIRTNC200_OG	2/10				X									T		3	0103LIRTNC200_PB	2/10				X									T		4	01LIR209_..._llama_Fx	2/10				X			X						C		5	01LIR209_..._STs_Fx	2/10				X			X						C		6	01LIR209_..._OG_Fx	2/10				X			X						C		7	0103LIRFTM112_LK	2/10				X									V		8	0103FTM112_BC	2/10				X									V		9	0103FTM112_FF	2/10				X									V		10																		Relinquished By: Kyle Farook Date: 2/9 Time: 4:30 Received By: <i>[Signature]</i> Date: 2/10/22 Time: 1655 Lab Use Only: <input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): 21.5 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: _____			
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																																																																																																																																																																																	
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† - 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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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2201416								
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.0425	0.04	%	106	85.0 - 115	Acceptable		
CBDV	0.0404	0.04	%	101	85.0 - 115	Acceptable		
CBE	0.0415	0.04	%	104	85.0 - 115	Acceptable		
CBDA	0.0409	0.04	%	102	85.0 - 115	Acceptable		
CBGA	0.0391	0.04	%	97.8	85.0 - 115	Acceptable		
CBG	0.0410	0.04	%	102	85.0 - 115	Acceptable		
CBD	0.0455	0.04	%	114	85.0 - 115	Acceptable		
THCV	0.0406	0.04	%	102	85.0 - 115	Acceptable		
d8THCV	0.0411	0.04	%	103	85.0 - 115	Acceptable		
THCVA	0.0373	0.04	%	93.2	85.0 - 115	Acceptable		
CBN	0.0436	0.04	%	109	85.0 - 115	Acceptable		
exo-THC	0.0398	0.04	%	99.6	85.0 - 115	Acceptable		
d9THC	0.0425	0.04	%	106	85.0 - 115	Acceptable		
d8THC	0.0405	0.04	%	101	85.0 - 115	Acceptable		
CBL	0.0388	0.04	%	97.0	85.0 - 115	Acceptable		
CBC	0.0420	0.04	%	105	85.0 - 115	Acceptable		
THCA	0.0395	0.04	%	98.6	85.0 - 115	Acceptable		
CBCA	0.0404	0.04	%	101	85.0 - 115	Acceptable		
CBLA	0.0410	0.04	%	102	85.0 - 115	Acceptable		
CBT	0.0397	0.04	%	99.2	85.0 - 115	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.03	%	< 0.03	Acceptable	
CBDV	<LOQ	0.03	%	< 0.03	Acceptable	
CBE	<LOQ	0.03	%	< 0.03	Acceptable	
CBDA	<LOQ	0.03	%	< 0.03	Acceptable	
CBGA	<LOQ	0.03	%	< 0.03	Acceptable	
CBG	<LOQ	0.03	%	< 0.03	Acceptable	
CBD	<LOQ	0.03	%	< 0.03	Acceptable	
THCV	<LOQ	0.03	%	< 0.03	Acceptable	
d8THCV	<LOQ	0.03	%	< 0.03	Acceptable	
THCVA	<LOQ	0.03	%	< 0.03	Acceptable	
CBN	<LOQ	0.03	%	< 0.03	Acceptable	
exo-THC	<LOQ	0.03	%	< 0.03	Acceptable	
d9THC	<LOQ	0.03	%	< 0.03	Acceptable	
d8THC	<LOQ	0.03	%	< 0.03	Acceptable	
CBL	<LOQ	0.03	%	< 0.03	Acceptable	
CBC	<LOQ	0.03	%	< 0.03	Acceptable	
THCA	<LOQ	0.03	%	< 0.03	Acceptable	
CBCA	<LOQ	0.03	%	< 0.03	Acceptable	
CBLA	<LOQ	0.03	%	< 0.03	Acceptable	
CBT	<LOQ	0.03	%	< 0.03	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: 2201416								
Sample Duplicate								
Sample ID: 22-001596-0007								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBDA	6.32	6.29	0.03	%	0.534	< 20	Acceptable	
CBGA	6.35	6.30	0.03	%	0.787	< 20	Acceptable	
CBG	0.225	0.223	0.03	%	1.16	< 20	Acceptable	
CBD	0.295	0.292	0.03	%	1.15	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d8THCV	0.300	0.294	0.03	%	2.17	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d8THC	36.2	36.2	0.03	%	0.0575	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBC	0.0866	0.0881	0.03	%	1.69	< 20	Acceptable	
THCA	0.306	0.303	0.03	%	0.809	< 20	Acceptable	
CBCA	0.674	0.670	0.03	%	0.655	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.03	%	NA	< 20	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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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.