



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



Report Number: 23-000420/D003.R002
Report Date: 01/18/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/10/23 16:50

This is an amended version of report# 23-000420/D003.R001.

Reason: Updated reporting units.

Customer: IHC LLC
Product identity: Live D8 CML
Client/Metric ID: .
Laboratory ID: 23-000420-0004

Summary

Potency:

Analyte per 18g	Result	Limits	Units	Status	
CBD per 18g	0.621		mg/18g		CBD-Total per Serving Size 7.35 mg/18g
CBD-A per 18g	7.67		mg/18g		
Δ8-THC per 18g	39.2		mg/18g		THC-Total per Serving Size <LOQ
(Reported in milligrams per serving)					

Metals:

Less than LOQ for all analytes.



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

Product identity: Live D8 CML
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-000420-0004
Evidence of Cooling: No
Temp: 20 °C
Relinquished by: Client
Serving Size #1: 18 g



**THE HEMP
COLLECT**

Sample Results

Potency per 18g		Method: J AOAC 2015 V98-6 (mod) ^b		Units mg/se Batch: 2300415		Analyze: 1/13/23 12:12:00 AM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 18g	< LOQ		mg/18g	0.0326		
CBC-A per 18g	< LOQ		mg/18g	0.0326		
CBC-Total per 18g	< LOQ		mg/18g	0.0612		
CBD per 18g	0.621		mg/18g	0.587		
CBD-A per 18g	7.67		mg/18g	0.587		
CBD-Total per 18g	7.35		mg/18g	1.10		
CBDV per 18g	< LOQ		mg/18g	0.0326		
CBDV-A per 18g	< LOQ		mg/18g	0.0326		
CBDV-Total per 18g	< LOQ		mg/18g	0.0609		
CBE per 18g	< LOQ		mg/18g	0.0326		
CBG per 18g	< LOQ		mg/18g	0.0326		
CBG-A per 18g	< LOQ		mg/18g	0.0326		
CBG-Total per 18g	< LOQ		mg/18g	0.0609		
CBL per 18g	< LOQ		mg/18g	0.0326		
CBL-A per 18g	< LOQ		mg/18g	0.587		
CBL-Total per 18g	< LOQ		mg/18g	1.10		
CBN per 18g	< LOQ		mg/18g	0.0326		
CBT per 18g	< LOQ		mg/18g	0.0326		
Δ8-THCV per 18g	< LOQ		mg/18g	0.0326		
Δ10-THC-9R per 18g	< LOQ		mg/18g	0.0326		
Δ8-THC per 18g	39.2		mg/18g	0.587		
Δ9-THC per 18g	< LOQ		mg/18g	0.0326		
exo-THC per 18g	< LOQ		mg/18g	0.0326		
THC-A per 18g	< LOQ		mg/18g	0.587		
THC-Total per 18g	< LOQ		mg/18g	1.10		
THCV per 18g	< LOQ		mg/18g	0.0326		
THCV-A per 18g	< LOQ		mg/18g	0.0326		
THCV-Total per 18g	< LOQ		mg/18g	0.0612		
Total Cannabinoids per 18g	48.3		mg/18g			



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Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0160	2300511	01/17/23 AOAC 2013.06 (mod.) ^p	pass	
Cadmium	< LOQ	0.200	mg/kg	0.0160	2300511	01/17/23 AOAC 2013.06 (mod.) ^p	pass	
Lead	< LOQ	0.500	mg/kg	0.0160	2300511	01/17/23 AOAC 2013.06 (mod.) ^p	pass	
Mercury	< LOQ	0.100	mg/kg	0.00800	2300511	01/17/23 AOAC 2013.06 (mod.) ^p	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B2 [‡]	< LOQ		µg/kg	5.00	2300451	01/16/23 AOAC 2007.01 & EN 15662 (mod) ^p		
Aflatoxin B1 [‡]	< LOQ		µg/kg	5.00	2300451	01/16/23 AOAC 2007.01 & EN 15662 (mod) ^p		
Aflatoxin G1 [‡]	< LOQ		µg/kg	5.00	2300451	01/16/23 AOAC 2007.01 & EN 15662 (mod) ^p		
Aflatoxin G2 [‡]	< LOQ		µg/kg	5.00	2300451	01/16/23 AOAC 2007.01 & EN 15662 (mod) ^p		
Ochratoxin A [‡]	< LOQ	20.0	µg/kg	5.00	2300451	01/16/23 AOAC 2007.01 & EN 15662 (mod) ^p	pass	
Total Aflatoxins [‡]	0.000	20.0	µg/kg	20.0		01/17/23 AOAC 2007.01 & EN 15662 (mod) ^p	pass	



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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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

Units of Measure

g = g

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/18g = Milligram per 18g

% = 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: The Hemp Collect Contact: kyle@thehempcollect.com Street: 431 NW Flanders st. City: Portland State: OR Zip: 97209 <input checked="" type="checkbox"/> Email Results: dropbox (IHC) Ph: (503) 608164 <input type="checkbox"/> Fx Results: (____) Billing (if different): joel@thehempcollect.com				Analysis Requested										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>			
				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:	Sampled by: _____		
Lab ID	Client Sample Identification	Date	Time												Sample Type †	Weight (Units)	Comments/Metrc ID
1	Live D8 VAP - WB					X			X						C		Samples #1 & #2: Alternate Client name: ATLrx
2	Live D8 SGR - SP					X			X						C		
3	Bubba Kush D8 Preroll				X					X		X			V		Sample #3: Alternate Client name: KOI CBD
4	Live CBD CML					X						X	X		E		
5	Live D8 CML					X						X	X		E		
6	Live D9 CML					X						X	X		E		
7	Live HHC VAP_AT_CJ					X									C		
8	Live HHC VAP_DT_PJ					X									C		
9	Live HHC VAP_KO_PK					X									C		
10																	
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only:									
Beth Griggs		1/10	4:30 PM	DS		1/10/23	16:50	<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): 20.0°C 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

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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: 2300415

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0333	0.033	%	99.7	80.0 - 120	Acceptable	
CBDV	2	0.0355	0.035	%	100	80.0 - 120	Acceptable	
CBE	2	0.0336	0.035	%	96.0	80.0 - 120	Acceptable	
CBDA	1	0.0334	0.032	%	104	90.0 - 110	Acceptable	
CBGA	1	0.0333	0.032	%	104	80.0 - 120	Acceptable	
CBG	1	0.0345	0.033	%	105	80.0 - 120	Acceptable	
CBD	1	0.0338	0.032	%	104	90.0 - 110	Acceptable	
THCV	2	0.0344	0.035	%	96.9	80.0 - 120	Acceptable	
d8THCV	2	0.0357	0.034	%	104	80.0 - 120	Acceptable	
THCVA	2	0.0329	0.033	%	99.6	80.0 - 120	Acceptable	
CBN	1	0.0355	0.034	%	105	80.0 - 120	Acceptable	
exo-THC	2	0.0325	0.032	%	100	80.0 - 120	Acceptable	
d9THC	1	0.0357	0.035	%	102	90.0 - 110	Acceptable	
d8THC	1	0.0319	0.033	%	95.1	90.0 - 110	Acceptable	
CBL	2	0.0350	0.035	%	101	80.0 - 120	Acceptable	
d10THC	1	0.0163	0.016	%	103	80.0 - 120	Acceptable	
CBG	2	0.0341	0.035	%	98.5	80.0 - 120	Acceptable	
THCA	1	0.0344	0.032	%	109	90.0 - 110	Acceptable	
CBGA	2	0.0339	0.034	%	98.7	80.0 - 120	Acceptable	
CBLA	2	0.0348	0.035	%	99.8	80.0 - 120	Acceptable	
CBT	2	0.0343	0.035	%	97.6	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
d10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	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: 2300415							
Sample Duplicate							
Sample ID: 23-000165-0002							
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
CBDV	0.0083	0.0084	0.003	%	1.20	< 20	Acceptable
CBE	0.0071	0.0070	0.003	%	2.10	< 20	Acceptable
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
CBG	0.0041	0.0039	0.003	%	3.10	< 20	Acceptable
CBD	0.532	0.535	0.003	%	0.673	< 20	Acceptable
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
dBTHCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
d9THC	0.0219	0.0216	0.003	%	1.27	< 20	Acceptable
dBTHC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
CBC	0.0191	0.0193	0.003	%	0.576	< 20	Acceptable
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
CBCA	0.0045	0.0049	0.003	%	7.64	< 20	Acceptable
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable
CBT	0.0133	0.0127	0.003	%	4.93	< 20	Acceptable

Abbreviations

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

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.