



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



Report Number: 23-000990/D008.R000
Report Date: 01/30/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/24/23 14:10

Customer: IHC LLC
Product identity: Live D9 CML
Client/Metric ID: .
Laboratory ID: 23-000990-0001

Summary

Potency:

Analyte per 18g	Result	Limits	Units	Status	
CBD-A per 18g	2.02		mg/18g		THC-Total per Serving Size 46.3 mg/18g
Δ8-THC per 18g	3.29		mg/18g		
Δ9-THC per 18g	46.3		mg/18g		CBD-Total per Serving Size 1.77 mg/18g
(Reported in milligrams per serving)					



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Received: 01/24/23 14:10

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

Product identity: Live D9 CML
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-000990-0001
Evidence of Cooling: No
Temp: 17.3
Relinquished by: ramos
Serving Size #1: 18 g



Sample Results

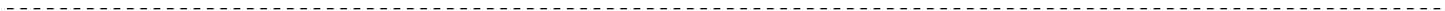
Potency per 18g		Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2300841	Analyze: 1/27/23 5:01:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 18g	< LOQ		mg/18g	0.599	
CBC-A per 18g	< LOQ		mg/18g	0.599	
CBC-Total per 18g	< LOQ		mg/18g	1.12	
CBD per 18g	< LOQ		mg/18g	0.599	
CBD-A per 18g	2.02		mg/18g	0.599	
CBD-Total per 18g	1.77		mg/18g	1.12	
CBDV per 18g	< LOQ		mg/18g	0.599	
CBDV-A per 18g	< LOQ		mg/18g	0.599	
CBDV-Total per 18g	< LOQ		mg/18g	1.12	
CBE per 18g	< LOQ		mg/18g	0.599	
CBG per 18g	< LOQ		mg/18g	0.599	
CBG-A per 18g	< LOQ		mg/18g	0.599	
CBG-Total per 18g	< LOQ		mg/18g	1.12	
CBL per 18g	< LOQ		mg/18g	0.599	
CBL-A per 18g	< LOQ		mg/18g	0.599	
CBL-Total per 18g	< LOQ		mg/18g	1.12	
CBN per 18g	< LOQ		mg/18g	0.599	
CBT per 18g	< LOQ		mg/18g	0.599	
Δ8-THCV per 18g	< LOQ		mg/18g	0.599	
Δ10-THC-9R per 18g	< LOQ		mg/18g	0.599	
Δ10-THC-9S per 18g	< LOQ		mg/18g	0.599	
Δ8-THC per 18g	3.29		mg/18g	0.599	
Δ9-THC per 18g	46.3		mg/18g	0.599	
exo-THC per 18g	< LOQ		mg/18g	0.599	
THC-A per 18g	< LOQ		mg/18g	0.599	
THC-Total per 18g	46.3		mg/18g	1.12	
THCV per 18g	< LOQ		mg/18g	0.599	
THCV-A per 18g	< LOQ		mg/18g	0.599	
THCV-Total per 18g	< LOQ		mg/18g	1.12	
Total Cannabinoids per 18g	52.0		mg/18g		



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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.

^p = ISO/IEC 17025:2017 accredited method.

Units of Measure

- g = g
- mg/18g = Milligram per 18g
- % = 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 Product**

Chain of Custody Record

Revision: 6.00 Control #: CRO23 Rev 02/24/2021 Eff: 03/04/2021
ORELAP ID: OREL0008



Company: <u>The Hemp Collect</u> Contact: <u>kyle@thehempcollect.com</u> Street: <u>431 N.W. Flinders St.</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input checked="" type="checkbox"/> Email Results: <u>dropbox (I-C)</u> Ph: (503) <u>606164</u> <input type="checkbox"/> Fax Results: () Billing (if different): <u>joe@thehempcollect.com</u>				Analysis Requested Pesticides - 08/58 compounds Pesticide Multi-Residue - 379 compounds Heavy Metals Residual Solvents Moisture & Water Activity Terpenes Micro: Yeast and Mold Micro: E. Coli and Total Coliform Heavy Metals Microtox Other:										IHC LLC 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 - 08/58 compounds	Pesticide Multi-Residue - 379 compounds	Heavy Metals	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Microtox	Other	Sample Type 1	Weight (Units)	Container/Metro ID
1	Live D9 CML				X										E		Sample #1: 18.0 g unit size
2	Live D9 GMY AT 20mg				X										E		Sample #2: 6.3 g unit size
3	Live D9 GMY AT 5mg				X										E		Sample #3: 2.0 g unit size
4	Live D8 SFT - AT				X										E		Samples #4-#5: 0.6 g unit size
5	Live CBD SFT - DT				X										E		Sample #7: 3.3 g unit size
6	Live CBD SFT - KO				X										E		
7	Live CBD GMY - AT *				X										E		
8	D8 Flower - SP				X										V		
9																	
10																	
Relinquished by:		Date:	Time:	Received by:		Date:	Time:	Lab Use Only:									
Kyle Farook		1/24	11:30 A	<i>[Signature]</i>		1-24-23	11:05	<input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C) <u>17.3</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: _____									
<i>[Signature]</i>		1-29-23	11:27	<i>[Signature]</i>		01/24/23	11:16										

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

Samples submitted to Columbia Laboratories for testing requirements constitute an agreement for services in accordance with the standard terms of service associated with this CAC. By signing "Relinquished by" you are agreeing to these terms

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P: (503) 254-1794 / Fax: (503) 254-2410
info@columbia-labs.com

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www.columbialaboratories.com



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Received: 01/24/23 14:10

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2300841

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0341	0.033	%	102	80.0	- 120	Acceptable	
CBDV	2	0.0361	0.035	%	102	80.0	- 120	Acceptable	
CBE	2	0.0356	0.035	%	102	80.0	- 120	Acceptable	
CBD	1	0.0328	0.032	%	102	90.0	- 110	Acceptable	
CBGA	1	0.0332	0.032	%	104	80.0	- 120	Acceptable	
CBG	1	0.0343	0.033	%	104	80.0	- 120	Acceptable	
THCV	2	0.0360	0.035	%	102	80.0	- 120	Acceptable	
δ8THCV	2	0.0352	0.034	%	102	80.0	- 120	Acceptable	
THCVA	2	0.0335	0.033	%	101	80.0	- 120	Acceptable	
CBN	1	0.0353	0.034	%	104	80.0	- 120	Acceptable	
exo-THC	2	0.0330	0.032	%	102	80.0	- 120	Acceptable	
δ9THC	1	0.0365	0.035	%	105	90.0	- 110	Acceptable	
δ8THC	1	0.0320	0.033	%	95.4	90.0	- 110	Acceptable	
9S-Δ10THC	1	0.0176	0.015	%	117	80.0	- 120	Acceptable	
CBL	2	0.0326	0.035	%	94.2	90.0	- 110	Acceptable	
9R-Δ10THC	1	0.0159	0.016	%	101	80.0	- 120	Acceptable	
CB	2	0.0353	0.035	%	102	80.0	- 120	Acceptable	
THCA	1	0.0326	0.032	%	103	80.0	- 120	Acceptable	
CBCA	2	0.0344	0.034	%	100	80.0	- 120	Acceptable	
CBLA	2	0.0355	0.035	%	102	90.0	- 110	Acceptable	
CBT	2	0.0348	0.035	%	99.1	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	
CBD	<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	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
δ8THCV	<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	
δ9THC	<LOQ	0.003	%	< 0.003	Acceptable	
δ8THC	<LOQ	0.003	%	< 0.003	Acceptable	
9S-Δ10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
9R-Δ10THC	<LOQ	0.003	%	< 0.003	Acceptable	
CB	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<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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Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2300841						
Sample Duplicate		Sample ID: 23-000937-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0443	0.0440	0.003	%	0.690	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCV	0.0053	0.0053	0.003	%	1.06	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0218	0.0217	0.003	%	0.278	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	1.18	1.17	0.003	%	1.08	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0147	0.0147	0.003	%	0.232	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.0051	0.0050	0.003	%	1.83	< 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.



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Report Number: 22-008555/D007.R000
Report Date: 07/27/2022
ORELAP#: OR100028
Purchase Order:
Received: 07/20/22 13:39

Customer: IHC LLC
Product identity: 09DST210
Client/Metric ID: .
Laboratory ID: 22-008555-0006

Summary

Potency:

Analyte	Result (%)		
Δ9-THC	86.2		THC-Total 86.2%
Δ8-THC	1.01		
CBD	0.845		
THCV	0.181		
CBC	0.115		
CBG	0.107		
CBT	0.0788		
			CBD-Total 0.845%
			(Reported in percent of total sample)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile	< LOQ for all analytes		



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Received: 07/20/22 13:39

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

Product identity: 09DST210
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-008555-0006
Evidence of Cooling: No
Temp: 31 °C
Relinquished by: Client



Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^P			Units %	Batch: 2206283	Analyze: 7/22/22 10:49:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	0.115		0.0689			
CBC-A	< LOQ		0.0689			
CBC-Total	< LOQ		0.129			
CBD	0.845		0.0689			
CBD-A	< LOQ		0.0689			
CBD-Total	0.845		0.129			
CBDV	< LOQ		0.0689			
CBDV-A	< LOQ		0.0689			
CBDV-Total	< LOQ		0.129			
CBE	< LOQ		0.0689			
CBG	0.107		0.0689			
CBG-A	< LOQ		0.0689			
CBG-Total	< LOQ		0.129			
CBL	< LOQ		0.0689			
CBL-A	< LOQ		0.0689			
CBL-Total	< LOQ		0.129			
CBN	< LOQ		0.0689			
CBT	0.0788		0.0689			
Δ8-THC	1.01		0.0689			
Δ8-THCV	< LOQ		0.0689			
Δ9-THC	86.2		0.689			
exo-THC	< LOQ		0.0689			
THC-A	< LOQ		0.0689			
THC-Total	86.2		0.749			
THCV	0.181		0.0689			
THCV-A	< LOQ		0.0689			
THCV-Total	0.181		0.129			
Total Cannabinoids	88.5					



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Solvents											Method: Residual Solvents by GC/MS ^b					Units µg/g		Batch 2206247		Analyze 07/25/22 02:21 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes													
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass														
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200															
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass														
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200															
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0															
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass														
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass														
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass														
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass														
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass														
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass														
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200															
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass														
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200															
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0															
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200															
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass														
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass														
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass														

Pesticides											Method: AOAC 2007.01 & EN 15662 (mod) ^b		Units mg/kg		Batch 2206251		Analyze 07/25/22 03:51 PM				
Analyte	Result	Limits	Status	Notes																	
Multi-Residue Pesticide Profile	< LOQ for all analytes																				



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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.

^D = ISO/IEC 17025:2017 accredited method.

Units of Measure

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)	Compound	LOQ (mg/kg)
Abamectin	0.100	Celthodim	0.050	Endrin	0.100
Acephate	0.100	Celthodim Sulfone	0.050	EPN	0.050
Acequinocyl	0.100	Celthodim Sulfoxide	0.050	EPIC	0.100
Acetamiprid	0.020	Cb fenfentzine	0.020	Esfenvalerate/ Fenvalerate	0.200
Acetochlor	0.100	Cb mazone	0.020	Etaconazole	0.100
Acrinathrin	0.100	Cb thianidin	0.200	Ethalfuralin	0.100
Alachlor	0.100	Cumaphos	0.050	Ethiofencarb	0.050
Aldicarb	0.100	Crtoxypfos	0.020	Ethion	0.200
Aldicarb sulfoxide	0.100	Cyarazine	0.020	Ethirimol	0.100
Aldoxycarb (Aldicarb-sulfone)	0.100	Cyartofenphos	0.020	Ethofumesate	0.050
Aldrin	0.100	Cyatraniiprole	0.050	Ethoprophos	0.020
Ametoctradin	0.020	Cyazflamid	0.020	Etofenprox	0.020
Ametryn	0.500	Cytoate	0.100	Etoazole	0.020
Aspon	0.100	Cyfluthrin	0.200	Etridiazole	0.100
Asulam	0.100	Cyhalothrin, lambda	0.200	Etrimfos	0.020
Atrazine	0.100	Cymoxanil	0.050	Famoxadone	0.200
Atrazine-desethyl	0.100	Cypermethrin	0.200	Famphur	0.100
Azinphos-ethyl	0.020	Cyprodinil	0.100	Fenamidone	0.020
Azinphos-methyl	0.020	Dadhal	0.100	Fenamiphos	0.020
Azoxystrobin	0.020	Damnozide	0.100	Fenamiphos sulfone	0.020
Beralaxyl	0.020	DCEMU	0.050	Fenamiphos sulfoxide	0.020
Berdiocarb	0.020	DDD, op'	0.100	Fenazaquin	0.100
Berfluralin	0.100	DDD, p,p'	0.100	Fenbuconazole	0.100
Berxacor	0.050	DCE, o,p'	0.100	Fenchlorphos	0.100
Bersulide	0.050	DCE, p,p'	0.100	Fenchlorphos-oxon	0.100
BHC alpha isomer	0.100	DDT, o,p'	0.100	Fenhexamid	0.100
BHC beta isomer	0.100	DDT, p,p'	0.100	Fenitrothion	0.100
BHC delta isomer	0.500	DEF (Tribufos)	0.100	Fenobucarb	0.050
Bifenazate	0.020	Deltamethrin	0.100	Fenoxycarb	0.020
Bifenthrin	0.020	Desmedipham	0.100	Fenpropathrin	0.050
Boscalid	0.020	Diallate	0.100	Fenpyroximate	0.020
Bromophos-ethyl	0.100	Diazinon	0.020	Fenson	0.100
Bromophos-methyl	0.200	Diazoxon	0.100	Fensulfthion	0.020
Bromopropylate	0.100	Dichlobenil	0.100	Fensulfthion oxon	0.020
Bromuconazole	0.100	Dichlofluanid	0.100	Fensulfthion sulfone	0.100
Bupirimate	0.020	Dichlorvos	0.100	Fensulfthion-oxon-sulfone	0.020
Buprofezin	0.050	Diclobutrazol	0.050	Fenthion	0.050
Butadlor	0.500	Dicofol	0.100	Fenthion oxon	0.020
Butralin	0.200	Dicrotophos	0.050	Fenthion oxon sulfone	0.100
Butylate	0.100	Dieldrin	0.100	Fenthion sulfone	0.050
Cadusafos	0.020	Diethofencarb	0.020	Fenuron	0.020
Captan	1.000	Diethyltoluamide (DEET)	0.050	Fipronil	0.100
Carbaryl	0.050	Difenoconazole	0.100	Fonicamid	0.100
Carbendazim	0.100	Dimethenamid	0.050	Fuchloralin	0.100
Carbafuran	0.020	Dimethoate	0.050	Flucythrinate	0.100
Carbophenothion	0.200	Dimethomorph	0.050	Fludioxonil	0.200
Carboxin	0.020	Diniconazole	0.200	Rufenacet	0.020
Carfentrazone-ethyl	0.100	Dinotefuran	0.200	Flumioxazin	0.100
Chlorantraniliprole	0.020	Dioxathion	0.100	Flumeturon	0.020
Chordane, cis	0.200	Diphenamid	0.020	Fluopicolide	0.050
Chordane, trans	0.200	Diphenylamine	0.100	Fluopyram	0.020
Chlorfenapyr	0.500	Disulfoton	0.100	Fluoxastrobin	0.050
Chlorfenson	0.200	Disulfoton sulfone	0.100	Flupyradfurone	0.020
Chlorfenvinphos	0.050	Disulfoton sulfoxide	0.100	Fluridone	0.100
Chlorobenzilate	0.100	Diuron	0.050	Flusilazole	0.020
Chloroneb	0.200	Edifenphos	0.050	Flutolanil	0.020
Chlorpyrifos	0.050	Endosulfan alpha	0.200	Flutriafol	0.020
Chlorpyrifos-methyl	0.200	Endosulfan beta	0.200	Fluvalinate, tau-	0.100
CIPC	1.000	Endosulfan sulfate	0.100	Fluxapyroxad	0.020



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 Portland, OR 97230
 503-254-1794

Report Number: 22-008555/D007.R000
Report Date: 07/27/2022
ORELAP#: OR100028
Purchase Order:
Received: 07/20/22 13:39



Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)
Fomesafen	0.100	Mexacarbate	0.020	Propamocarb	0.050
Fonofos	0.100	MGK 264	0.020	Proparil	0.050
Forchlorfenuron	0.050	Mirex	0.100	Propargite	0.050
Formetanate	0.050	Molinate	0.050	Propazine	0.020
Furathiocarb	0.020	Monocrotophos	0.100	Propetamphos	0.050
Heptachlor	0.100	Monolinuron	0.020	Propham	0.050
Heptachlor epoxide	0.100	Myclobutanil	0.050	Propiconazole	0.050
Heptenophos	0.100	Naled	0.100	Propoxur	0.050
Hexachlorobenzene	0.100	Napropamide	0.050	Propoxycarbazone Na	0.050
Hexaconazole	0.100	Neburon	0.020	Propyzamide	0.050
Hexazinone	0.100	Nitrapyrin	0.100	Prthiofos	0.100
Hexythiazox	0.020	Norflurazon	0.050	Pyraclostrobin	0.020
Imazalil	0.100	Omethoate	0.100	Pyrazophos	0.050
Imidacloprid	0.100	O-Phenylphenol	0.100	Pyrethrins	0.050
Indaziflam	0.020	Oxadixyl	0.100	Pyridaben	0.020
Indoxacarb	0.020	Oxamyl	0.100	Pyridafol	0.100
Iprobenfos	0.100	Oxamyl-oxime	0.100	Pyridate	0.020
Iprodione	0.100	Oxychlorane	0.100	Pyrimethanil	0.050
Isobenzan	0.100	Oxydemeton-Methyl	0.100	Pyriproxifen	0.020
Isocarbophos	0.500	Oxythioquinox	0.200	Pyroxasulfone	0.020
Isodrin	0.100	Padobutrazol	0.050	Pyroxulam	0.020
Isofenphos	0.050	Paraoxon-ethyl	0.020	Quinalphos	0.050
Isofenphos-methyl	0.020	Paraoxon methyl	0.100	Quinoxyfen	0.050
Isofenphos oxon	0.050	Parathion ethyl	0.100	Quintozene (PQNB)	0.200
Isoprocarb	0.020	Parathion methyl	0.200	Resmethrin	0.050
Isopropalin	0.200	Perconazole	0.050	Rotenone	0.050
Isoprothiolane	0.050	Perdimethalin	0.050	S421	0.100
Isoproturon	0.050	Perflufen	0.020	Smaizine	0.100
Isoxaben	0.050	Pertachloroaniline	0.100	Smectryn	0.200
Isoxaflutole	0.050	Pertachloroanisole	0.100	Spinetoram	0.020
Kresoxim-methyl	0.050	Pentachlorobenzene (PCB)	0.100	Spinosad	0.050
Lactofen	0.500	Pentachlorothiobenzene (PCTA)	0.100	Spirodiclofen	0.100
Lenacil	0.100	Perthiopyrad	0.020	Spiromesifen	0.050
Lindane (gammaBHC)	0.100	Permethrin	0.050	Spirotetramat	0.050
Linuron	0.020	Perthane	0.100	Spiroxamine	0.020
Malaoxon	0.050	Phenmedipharm	0.050	Sulfotep	0.050
Malathion	0.050	Phanthoate	0.050	Sulfoxaflor	0.050
Mandipropamid	0.020	Phorate	0.050	Sulprofos	0.020
Mecarbam	0.020	Phorate Sulfone	0.050	Tebuconazole	0.100
Mepanipyrim	0.050	Phorate Sulfoxide	0.050	Tebufenozide	0.020
Merphos	0.500	Phosalone	0.050	Tebuthiuron	0.020
Metalaxyl	0.050	Phosmet	0.100	Tecnazene	0.100
Metaldehyde	0.050	Phosphamidon	0.050	Tefluthrin	0.100
Metconazole	0.100	Phoxim	0.050	Terbufos	0.020
Methadifos	0.100	Pinoxaden	0.020	Terbufos sulfone	0.050
Methamidophos	0.050	Piperonyl butoxide	0.050	Terbufos sulfoxide	0.050
Methidathion	0.050	Pirimicarb	0.020	Terbutylazine	0.020
Methiocarb	0.050	Pirimiphos-methyl	0.050	Terbutryn	0.020
Methiocarb sulfone	0.100	Pirimiphos-ethyl	0.020	Tetrachlorvinphos	0.050
Methiocarb sulfoxide	0.100	Prallethrin	0.100	Tetraconazole	0.050
Methomyl	0.100	Prochloraz	0.020	Tetradfon	0.200
Methoxychlor	0.100	Procyimdone	0.100	Tetramethrin	0.050
Methoxyfenozide	0.020	Prfenofos	0.100	Tetrasul	0.100
Metobromuron	0.050	Prfluralin	0.100	Thiabendazole	0.100
Metolachlor	0.100	Prmecarb	0.050	Thiabendazole, 5-hydroxy	0.100
Metolcarb	0.050	Prometon	0.100	Thiadoprid	0.050
Metraferone	0.050	Prometryn	0.020	Thiamethoxam	0.100
Metribuzin	0.100	Propadchlor	0.020	Thiobencarb	0.050
Mevinphos	0.100			Thiodicarb	0.050
				Thiophanate-methyl	0.050



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Report Number: 22-008555/D007.R000
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Received: 07/20/22 13:39



Cannabis Multi-Residue Profile, Limits of Quantitation

Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)	Compound	LOQ(mg/kg)
Tolclofos-methyl	0.100	Triazophos	0.020	Trifloxystrobin	0.020
Triforin	0.100	Tolyfluarid	0.050	Triticonazole	0.050
Tralkoxydim	0.100	Tridiphane	0.500	Vindozolin	0.100
Triadimefon	0.050	Triflumizole	0.020	Zoxamide	0.020
Triallate	0.100	Trifluralin	0.100		

LOQ=Limit of Quantitation, mg/kg

Factors affecting the LOQ include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.



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Received: 07/20/22 13:39



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

Revision: 4.00 Control #: C/O 23 Rev 02/24/2021 Eff: 03/04/2021
ORELAP#: ORELAP008

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) Fx: (51) 608764 Fx Results: () Billing (if different): joel@thehempcollect.com				Analysis Requested Pesticides - DR 59 compounds Pesticide Multi-Residue - 379 compounds Heavy Metals Micro: Fecal and Mold Micro: Total Coliforms Micro: 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>	
Lab ID	Client Sample (Identification)	Date	Time	Pesticides - DR 59 compounds	Pesticide Multi-Residue - 379 compounds	Heavy Metals	Micro: Fecal and Mold	Micro: Total Coliforms	Micro: Heavy Metals	Mycotoxins	Other	Sample Type	Weight (Units)	Comments/Misc ID	
1	DB - OG Kush					X								-Samples 1-3: Alternate Client name: Mary Joe -Sample #4: Alternate Client name: Secret Nature CBD -Sample #7: Alternate Client name: Sauce Warehouse	
2	DB - Pine. Exp.					X									
3	DB - Bubba Cookies					X									
4	Live CBD Sugar - Pine walker					X									
5	Live D9 DST _ SG					X									
6	09DST210			X	X	X									
7	Live CBD Sugar - LK					X									
8	FLT_SourLifter_RSPD					X									
9	FLT_SuverHaze_RSPD					X									
10	FLT_SourHH					X									
Requisitioned By:		Date	Time	Worked By:		Date	Time	Lab Use Only:							
		7/20	1:43	AC		7-20	13:39	<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>31.0</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"/> Misc: _____ Prelog storage: _____							

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

Samples submitted to Columbia Laboratories will be analyzed pursuant to contract an agreement for services to be analyzed with the standard terms of service associated with the C/C. By signing "Requisitioned By" you are agreeing to these terms.

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Report Number: 22-008555/D007.R000
 Report Date: 07/27/2022
 ORELAP#: OR100028
 Purchase Order:
 Received: 07/20/22 13:39



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

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021
 ORELAPID: OR300028

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 (IHU)</u> Attn: <u>(b1) b081b4</u> Fax Results: <u>()</u> Billing (if different): <u>joel@thehempcollect.com</u>				Analysis Requested Pesticides - OR 19 compounds Pesticide Heavy Metals - 179 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"/> METRIC 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 19 compounds	Pesticide Heavy Metals - 179 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	FLY_BK_Phil					X											
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
Requested By:		Date:	Time:	Received By:		Date:	Time:	Lab Use Only:									
		7/20	1:43	AC		7-20	13:39	<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>31.0</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"/> Ref: _____ Prelog storage: _____									

1 - Sample Type Codes: Vegetation [V] ; Isolates [S] ; Extract/Concentrate [C] ; Tincture/Topical [T] ; Edible [E] ; Beverage [B]

Analysis conducted by Columbia Laboratories will remain confidential unless an agreement for analysis is made in accordance with the current terms of service associated with this COC. By signing "Requested by" you are agreeing to these terms.
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Report Number: 22-008555/D007.R000
 Report Date: 07/27/2022
 ORELAP#: OR100028
 Purchase Order:
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Revision: Document ID:
 Legacy ID: Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2206247					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		562	572	µg/g	98.3	60 - 120	
Isobutane	ND	< 200		700	731	µg/g	95.8	60 - 120	
Butane	ND	< 200		677	731	µg/g	92.6	60 - 120	
2,2-Dimethylpropane	ND	< 200		969	936	µg/g	103.5	60 - 120	
Methanol	ND	< 200		1540	1650	µg/g	93.3	60 - 120	
Ethylene Oxide	ND	< 30		54	56.2	µg/g	96.1	60 - 120	
2-Methylbutane	ND	< 200		1350	1620	µg/g	83.3	60 - 120	
Pentane	ND	< 200		1390	1610	µg/g	86.3	60 - 120	
Ethanol	ND	< 200		1530	1620	µg/g	94.4	70 - 130	
Ethyl Ether	ND	< 200		1430	1600	µg/g	89.4	60 - 120	
2,2-Dimethylbutane	ND	< 30		148	167	µg/g	88.6	60 - 120	
Acetone	ND	< 200		1490	1620	µg/g	92.0	60 - 120	
2-Propanol	ND	< 200		1560	1610	µg/g	96.9	60 - 120	
Ethyl Formate	ND	< 500		1410	1620	µg/g	87.0	70 - 130	
Acetonitrile	ND	< 100		577	635	µg/g	90.9	60 - 120	
Methyl Acetate	ND	< 500		1550	1630	µg/g	95.1	70 - 130	
2,3-Dimethylbutane	ND	< 30		171	177	µg/g	96.6	60 - 120	
Dichloromethane	ND	< 60		445	498	µg/g	89.4	60 - 120	
2-Methylpentane	ND	< 30		144	166	µg/g	86.7	60 - 120	
MTBE	ND	< 500		1540	1600	µg/g	96.3	70 - 130	
3-Methylpentane	ND	< 30		160	175	µg/g	91.4	60 - 120	
Hexane	ND	< 30		163	174	µg/g	93.7	60 - 120	
1-Propanol	ND	< 500		1590	1620	µg/g	98.1	70 - 130	
Methylethylketone	ND	< 500		1540	1600	µg/g	96.3	70 - 130	
Ethyl acetate	ND	< 200		1550	1610	µg/g	96.3	60 - 120	
2-Butanol	ND	< 200		1590	1620	µg/g	98.1	60 - 120	
Tetrahydrofuran	ND	< 100		473	507	µg/g	93.3	60 - 120	
Cyclohexane	ND	< 200		1500	1610	µg/g	93.2	60 - 120	
2-methyl-1-propanol	ND	< 500		1610	1640	µg/g	98.2	70 - 130	
Benzene	ND	< 1		4.75	5.22	µg/g	91.0	60 - 120	
Isopropyl Acetate	ND	< 200		1580	1610	µg/g	98.1	60 - 120	
Heptane	ND	< 200		1560	1610	µg/g	96.9	60 - 120	
1-Butanol	ND	< 500		1560	1610	µg/g	96.9	70 - 130	
Propyl Acetate	ND	< 500		1580	1610	µg/g	98.1	70 - 130	
1,4-Dioxane	ND	< 100		488	508	µg/g	96.1	60 - 120	
2-Ethoxyethanol	ND	< 30		177	165	µg/g	107.3	60 - 120	
Methylisobutylketone	ND	< 500		1600	1610	µg/g	99.4	70 - 130	
3-Methyl-1-butanol	ND	< 500		1600	1600	µg/g	100.0	70 - 130	
Ethylene Glycol	ND	< 200		491	492	µg/g	99.8	60 - 120	
Toluene	ND	< 100		494	497	µg/g	99.4	60 - 120	
Isobutyl Acetate	ND	< 500		1590	1610	µg/g	98.8	70 - 130	
1-Pentanol	ND	< 500		1620	1600	µg/g	101.3	70 - 130	
Butyl Acetate	ND	< 500		1630	1610	µg/g	101.2	70 - 130	
Ethylbenzene	ND	< 200		1000	980	µg/g	102.0	60 - 120	
m,p-Xylene	ND	< 200		990	985	µg/g	100.5	60 - 120	
o-Xylene	ND	< 200		992	965	µg/g	102.8	60 - 120	
Cumene	ND	< 30		168	168	µg/g	100.0	60 - 120	
Anisole	ND	< 500		1580	1600	µg/g	98.8	70 - 130	
DMSO	ND	< 500		1520	1610	µg/g	94.4	70 - 130	
1,2-dimethoxyethane	ND	< 50		163	165	µg/g	98.8	70 - 130	
Triethylamine	ND	< 500		1220	1620	µg/g	75.3	70 - 130	
N,N-dimethylformamide	ND	< 150		469	481	µg/g	97.5	70 - 130	
N,N-dimethylacetamide	ND	< 150		476	480	µg/g	99.2	70 - 130	
Pyridine	ND	< 50		166	171	µg/g	97.1	70 - 130	
Sulfone	ND	< 50		170	179	µg/g	95.0	70 - 130	
1,2-Dichloroethane	ND	< 1		1.06	1	µg/g	106.0	70 - 130	
Chloroform	ND	< 1		1.06	1	µg/g	106.0	70 - 130	
Trichloroethylene	ND	< 1		1.02	1	µg/g	102.0	70 - 130	



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Report Number: 22-008555/D007.R000
Report Date: 07/27/2022
ORELAP#: OR100028
Purchase Order:
Received: 07/20/22 13:39

Revision: Document ID:
 Legacy ID: Effective:

QC - Sample Duplicate		Sample ID: 22-008377-0001					
Analyte	Result	Org. Result	LOQ Units	RPD	Limits	Accept/ Fail	Notes
Propane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30 µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60 µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Methyl ethyl ketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100 µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500 µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500 µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50 µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1 µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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



Report Number: 22-008555/D007.R000
Report Date: 07/27/2022
ORELAP#: OR100028
Purchase Order:
Received: 07/20/22 13:39

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

Laboratory Quality Control Results

JAOAC2015 V986									
Laboratory Control Sample									
Batch ID: 22062542206283									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	1	0.107	0.100	%	107	80.0	- 120	Acceptable	
CBDV	1	0.119	0.100	%	119	80.0	- 120	Acceptable	
CBE	1	0.106	0.100	%	106	80.0	- 120	Acceptable	
CBDA	1	0.0944	0.100	%	94.4	90.0	- 110	Acceptable	
CBGA	1	0.0930	0.100	%	93.0	80.0	- 120	Acceptable	
CBG	1	0.0978	0.100	%	97.8	80.0	- 120	Acceptable	
CBD	1	0.108	0.100	%	108	90.0	- 110	Acceptable	
THCV	1	0.108	0.100	%	108	80.0	- 120	Acceptable	
d8THCV	1	0.105	0.100	%	105	80.0	- 120	Acceptable	
THCVA	1	0.102	0.100	%	102	80.0	- 120	Acceptable	
CBN	1	0.103	0.100	%	103	90.0	- 110	Acceptable	
exo-THC	1	0.106	0.100	%	106	80.0	- 120	Acceptable	
d9THC	1	0.107	0.100	%	107	90.0	- 110	Acceptable	
d8THC	1	0.101	0.100	%	101	90.0	- 110	Acceptable	
CBL	1	0.0973	0.100	%	97.3	80.0	- 120	Acceptable	
CBC	1	0.118	0.100	%	118	80.0	- 120	Acceptable	
THCA	1	0.0901	0.100	%	90.1	90.0	- 110	Acceptable	
CBCA	1	0.108	0.100	%	108	80.0	- 120	Acceptable	
CBLA	1	0.104	0.100	%	104	80.0	- 120	Acceptable	
CBT	1	0.105	0.100	%	105	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDV	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBE	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBGA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBG	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBD	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBN	<LOQ	0.0077	%	< 0.0077	Acceptable	
exo-THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d9THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBL	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBC	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBLA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBT	<LOQ	0.0077	%	< 0.0077	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

JAOAC2015 V986		Batch ID: 22062542206283						
Sample Duplicate		Sample ID: 22-0085270001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBD A	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBN	93.7	92.6	0.0077	%	1.21	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.0077	%	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.