



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



Report Number: 22-002509/D006.R000
Report Date: 03/09/2022
ORELAP#: OR100028
Purchase Order:
Received: 03/03/22 16:51

Customer: IHC LLC
Product identity: 01020506LIR..._FV
Client/Metric ID: .
Laboratory ID: 22-002509-0002

Summary

Potency:

Analyte	Result (%)			
CBG†	37.1			
CBD	21.0			
CBD-A	4.46			
CBC	3.73			
CBDV†	3.56			
CBT†	3.12			
CBDV-A†	3.08			
CBN	2.16			
CBE†	2.03			
Δ8-THCV	1.90			
THCV†	0.173			
CBL†	0.170			
				CBD-Total 24.9% ----- THC-Total <LOQ ----- (Reported in percent of total sample)



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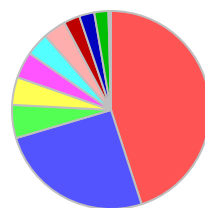
Customer: IHC LLC
825 NW 16th Ave
Portland Oregon 97209
United States of America (USA)

Product identity: 01020506LIR..._FV
Client/Metric ID: .
Sample Date: .
Laboratory ID: 22-002509-0002
Evidence of Cooling: No
Temp: 19.4 °C
Relinquished by: Client



Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2202014	Analyze: 3/9/22 9:13:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	3.73		0.0894			
CBC-A†	< LOQ		0.0894			
CBC-Total†	3.73		0.168			
CBD	21.0		0.0894			
CBD-A	4.46		0.0894			
CBD-Total	24.9		0.168			
CBDV†	3.56		0.0894			
CBDV-A†	3.08		0.0894			
CBDV-Total†	6.23		0.167			
CBE†	2.03		0.0894			
CBG†	37.1		0.894			
CBG-A†	< LOQ		0.0894			
CBG-Total	37.1		0.971			
CBL†	0.170		0.0894			
CBL-A†	< LOQ		0.0894			
CBL-Total†	0.170		0.168			
CBN	2.16		0.0894			
CBT†	3.12		0.0894			
Δ8-THC†	< LOQ		0.0894			
Δ8-THCV	1.90		0.0894			
Δ9-THC	< LOQ		0.0894			
THC-A	< LOQ		0.0894			
THC-Total	< LOQ		0.168			
THCV†	0.173		0.0894			
THCV-A†	< LOQ		0.0894			
THCV-Total†	0.173		0.167			
Total Cannabinoids†	82.5					



- CBG
- CBD
- CBD-A
- CBDV
- CBT
- CBDV-A
- CBN
- CBE
- Δ8-THCV
- THC
- CBL

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 = $\mu\text{g/g}$ 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: CPD23 Rev 01/24/2021 Eff: 03/04/2021
 ORELAP ID: DR000008

Company: <u>BHC</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) 608164 <input type="checkbox"/> Fax Results: () Billing (if different): <u>beth@thehempcollect.com</u>				Analysis Requested <input type="checkbox"/> Pesticides - All 19 compounds <input checked="" type="checkbox"/> Pesticide Multi-Residue - 376 compounds <input type="checkbox"/> Potency <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Volatiles & Water Activity <input type="checkbox"/> Terpenes <input type="checkbox"/> Micro Yeast and Mold <input type="checkbox"/> Micro: Endo 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	Pesticides - All 19 compounds	Pesticide Multi-Residue - 376 compounds	Potency	Residual Solvents	Volatiles & Water Activity	Terpenes	Micro Yeast and Mold	Micro: Endo and Total Coliform	Heavy Metals	Mycotoxins	Other	Sample Type*	Weight (Units)	Comments/Metric ID
1	12ISO	3/3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											- Please return remainder of sample #1 to client.
2	01020508LIR...FV	3/3			<input checked="" type="checkbox"/>												
3	01020508LIR...TG	3/3			<input checked="" type="checkbox"/>												
4	0103FTS101_Lifter	3/3			<input checked="" type="checkbox"/>												
5	0103FTS103_LegendC	3/3			<input checked="" type="checkbox"/>												
6	0103FTS103_Gushers	3/3			<input checked="" type="checkbox"/>												
7	01FLT113_GF	3/3			<input checked="" type="checkbox"/>												
8																	
9																	
10																	
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only:									
Kyle Farook		3/3	4:45	DS		3/9/22	16:51	<input type="checkbox"/> Shipped via _____ or SFClient drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C) <u>19.4°C</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 OLC. By signing "Relinquished By" you are agreeing to these terms.
 12423 NE Whitaker Way Portland, OR 97230 P: (503) 254-1794 F: (503) 254-1267 www.columbialaboratories.com



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Report Number: 22-002509/D006.R000
Report Date: 03/09/2022
ORELAP#: OR100028
Purchase Order:
Received: 03/03/22 16:51

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

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2202014								
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.201	0.200	%	100	80.0 - 120	Acceptable		
CBDV	0.223	0.200	%	112	80.0 - 120	Acceptable		
CBE	0.195	0.200	%	97.5	80.0 - 120	Acceptable		
CBDA	0.215	0.200	%	107	80.0 - 120	Acceptable		
CBGA	0.198	0.200	%	98.9	80.0 - 120	Acceptable		
CBG	0.208	0.200	%	104	80.0 - 120	Acceptable		
CBD	0.211	0.200	%	105	80.0 - 120	Acceptable		
THCV	0.192	0.200	%	96.0	80.0 - 120	Acceptable		
d8THCV	0.204	0.200	%	102	80.0 - 120	Acceptable		
THCVA	0.196	0.200	%	97.8	80.0 - 120	Acceptable		
CBN	0.211	0.200	%	105	80.0 - 120	Acceptable		
exo-THC	0.184	0.200	%	92.2	80.0 - 120	Acceptable		
d9THC	0.201	0.200	%	100	80.0 - 120	Acceptable		
d8THC	0.198	0.200	%	98.9	80.0 - 120	Acceptable		
CBL	0.188	0.200	%	94.0	80.0 - 120	Acceptable		
CBC	0.203	0.200	%	101	80.0 - 120	Acceptable		
THCA	0.204	0.200	%	102	80.0 - 120	Acceptable		
CBCA	0.202	0.200	%	101	80.0 - 120	Acceptable		
CBLA	0.204	0.200	%	102	80.0 - 120	Acceptable		
CBT	0.182	0.200	%	91.1	80.0 - 120	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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Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2202014								
Sample Duplicate								
Sample ID: 20-009485-0006								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	0.347	0.350	0.1	%	0.874	< 20	Acceptable	
CBE	0.853	0.864	0.1	%	1.31	< 20	Acceptable	
CBDA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBG	0.762	0.762	0.1	%	0.0262	< 20	Acceptable	
CBD	67.2	65.8	0.1	%	2.11	< 20	Acceptable	
THCV	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBN	0.747	0.815	0.1	%	8.73	< 20	Acceptable	
exo-THC	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	0.336	0.211	0.1	%	45.6	< 20	Outlier	R
d8THC	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBL	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBC	2.98	3.04	0.1	%	2.10	< 20	Acceptable	
THCA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	< LOQ	< LOQ	0.1	%	NA	< 20	Acceptable	
CBT	0.440	0.446	0.1	%	1.18	< 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: 23-000690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Customer: IHC LLC
Product identity: 01LIR209_FV
Client/Metric ID: .
Laboratory ID: 23-000690-0003

Summary

Potency:

Analyte	Result (%)			
CBD-A	41.3			
CBDV-A	26.1			
CBC-A	2.89			
CBD	2.30			
CBDV	1.52			
THC-A	1.18			
THCV-A	0.994			
CBG-A	0.766			
Δ9-THC	0.293			
CBC	0.264			
CBG	0.198			
				CBD-Total 38.5%
				THC-Total 1.33%
				(Reported in percent of total sample)

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
n-Butane	539		
Butanes (sum)	539	5000	pass

Pesticides:

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

Metals:

Less than LOQ for all analytes.



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Report Number: 23-000690/D018.R000
Report Date: 01/24/2023
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Purchase Order:
Received: 01/17/23 14:16

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

Product identity: 01LIR209_FV
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-000690-0003
Evidence of Cooling: No
Temp: 20 °C
Relinquished by: ramos



Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^p			Units %	Batch: 2300599	Analyze: 1/19/23 6:41:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	0.264		0.0678			
CBC-A	2.89		0.0678			
CBC-Total	2.80		0.127			
CBD	2.30		0.0678			
CBD-A	41.3		0.678			
CBD-Total	38.5		0.662			
CBDV	1.52		0.0678			
CBDV-A	26.1		0.678			
CBDV-Total	24.1		0.655			
CBE	< LOQ		0.0678			
CBG	0.198		0.0678			
CBG-A	0.766		0.0678			
CBG-Total	0.870		0.126			
CBL	< LOQ		0.0678			
CBL-A	< LOQ		0.0678			
CBL-Total	< LOQ		0.127			
CBN	< LOQ		0.0678			
CBT	< LOQ		0.0678			
Δ10-THC-9R	< LOQ		0.0678			
Δ8-THC	< LOQ		0.0678			
Δ8-THCV	< LOQ		0.0678			
Δ9-THC	0.293		0.0678			
exo-THC	< LOQ		0.0678			
THC-A	1.18		0.0678			
THC-Total	1.33		0.127			
THCV	< LOQ		0.0678			
THCV-A	0.994		0.0678			
THCV-Total	0.873		0.126			
Total Cannabinoids	77.8					



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Received: 01/17/23 14:16

Solvents											
Method: Residual Solvents by GC/MS ^b											
Units µg/g Batch 2300683 Analyze 01/23/23 11:29 AM											
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)	539	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	539		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 2300687 Analyze 01/23/23 01:15 PM					
Analyte	Result	Limits	Status	Notes	
Multi-Residue Pesticide Profile	< LOQ for all analytes				

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0906	2300594	01/18/23 AOAC 2013.06 (mod.) ^b	pass		
Cadmium	< LOQ	0.200	mg/kg	0.0906	2300594	01/18/23 AOAC 2013.06 (mod.) ^b	pass		
Lead	< LOQ	0.500	mg/kg	0.0906	2300594	01/18/23 AOAC 2013.06 (mod.) ^b	pass		
Mercury	< LOQ	0.100	mg/kg	0.0453	2300594	01/18/23 AOAC 2013.06 (mod.) ^b	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.

^p = 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


**P2320 Multi-Residue Pesticide Profile
 Cannabis**

Analyte	LOQ (mg/kg)
2,4-D	0.1
Abamectin	0.1
Acephate	0.2
Acequinocyl	0.2
Acetamiprid	0.1
Acetochlor	0.2
Acrinathrin	0.1
Alachlor	0.1
Aldicarb	0.1
Aldoxycarb	0.1
Aldrin	0.1
Ametoctradin	0.1
Ametryn	0.1
Anilazine	0.1
Aspon	0.1
Asulam	0.1
Atrazine	0.1
Atrazine-desethyl	0.1
Azinphos-ethyl	0.1
Azinphos-methyl	0.1
Azoxystrobin	0.1
Benalaxyl	0.1
Bendiocarb	0.1
Benoxacor	0.1
Bensulide	0.1
Bentazon	0.1
Bifenazate	0.1
Bifenox	0.1
Bifenthrin	0.1
Binapacryl	0.1
Boscalid	0.1
Bromacil	0.1
Bromophos-ethyl	0.1
Bromopropylate	0.1
Bromoxynil	0.1
Bupirimate	0.1
Buprofezin	0.1
Butachlor	0.1
Butylate	0.1
Cadusafos	0.1
Captan	0.2
Carbaryl	0.1
Carbendazim	0.1
Carbofuran	0.1
Carbofuran 3-hydroxy	0.1
Carbophenothion	0.1
Carbophenothion-methyl	0.1
Carboxin	0.1

Analyte	LOQ (mg/kg)
Chlorantraniliprol	0.1
Chlordane, cis-	0.1
Chlordane, trans-	0.1
Chlorfenapyr	0.1
Chlorfenvinphos	0.1
Chlorobenzilate	0.1
Chlorpyrifos-ethyl	0.1
Chlorpyrifos-methyl	0.1
Chlorthal-dimethyl (Dacthal)	0.1
Clethodim	0.1
Clethodim sulfone	0.1
Clethodim sulfoxide	0.1
Clofentezine	0.1
Clomazone	0.1
Clopyralid	0.1
Clothianidin	0.1
Coumaphos	0.1
Crotoxyphos	0.1
Cyanofenphos	0.1
Cyanophos	0.1
Cyantraniliprole	0.1
Cyazofamid	0.1
Cyfluthrin	0.1
Cyhalothrin, lambda	0.1
Cymoxanil	0.1
Cypermethrin	0.1
Cyprodinil	0.1
DDD, o,p'-	0.1
DDD, p,p'-	0.1
DDE, o,p'-	0.1
DDE, p,p'-	0.1
DDT, o,p'-	0.1
DDT, p,p'-	0.1
DEET	0.1
Deltamethrin	0.1
Demeton-S	0.1
Demeton-s-methyl	0.1
Demeton-S-methyl-sulfone	0.1
Desmedipham	0.1
Diazinon	0.1
Dicamba	0.1
Dichlofenthion	0.1
Dichlofluandil	0.1
Dichlorbenzamid	0.1
Dichlorvos	0.1
Diclofop	0.1
Diclofop-methyl	0.1
Dicrotophos	0.1

Analyte	LOQ (mg/kg)
Dieldrin	0.1
Diethofencarb	0.1
Difenoconazol	0.1
Diflubenzuron	0.1
Diflufenzopyr	0.1
Dimethenamid	0.1
Dimethoat	0.1
Dimethomorph	0.1
Dinoseb	0.1
Dinotefuran	0.1
Dioxaathion	0.1
Diphenamid	0.1
Diphenylamine (DPA)	0.1
Disulfoton	0.1
Disulfoton-sulfone	0.1
Disulfoton-Sulfoxide	0.1
Diuron	0.1
DNOC	0.1
Edifenphos	0.1
Endosulfan (alpha isomer)	0.1
Endosulfan (beta isomer)	0.1
Endosulfan-sulfate	0.1
Endrin	0.1
EPN	0.1
EPTC	0.1
Esfenvalerate/Fenvalerate	0.1
Ethiofencarb	0.1
Ethion	0.1
Ethofumesate	0.1
Ethoprophos	0.1
Etofenprox	0.1
Etoxazole	0.1
Etrimfos	0.1
Famoxadone	0.1
Famphur	0.1
Fenamiphos	0.1
Fenamiphos-Sulfone	0.1
Fenamiphos-Sulfoxide	0.1
Fenazaquin	0.1
Fenbuconazole	0.1
Fenhexamid	0.1
Fenobucarb	0.1
Fenoxycarb	0.1
Fenpropathrin	0.1
Fensulfothion	0.1
Fenthion	0.1
Fenuron	0.1
Fipronil	0.1

LOQ= Limit of Quantitation
 mg/kg= milligram per kilogram (ppm)



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



Report Number: 23-000690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16



**P2320 Multi-Residue Pesticide Profile
Cannabis**

Analyte	LOQ (mg/kg)
Flonicamid	0.1
Fluazifop	0.1
Fluazinam	0.1
Flucythrinate	0.1
Fludioxonil	0.1
Flufenacet	0.1
Flumioxazin	0.1
Flupicolide	0.1
Fluopyram	0.1
Fluoxastrobin	0.1
Flupyradifurone	0.1
Fluridone	0.1
Fluroxypyr	0.1
Fluthiacet-methyl	0.1
Flutolanil	0.1
Flutriafol	0.1
Fluvalinate	0.1
Fluxapyroxad	0.1
Fomesafen	0.1
Formetanate	0.1
Furathiocarb	0.1
Haloxypop	0.1
Heptachlor	0.1
Heptachlor epoxide	0.1
Hexaconazole	0.1
Hexazinone	0.1
Hexythiazox	0.1
Hydropene	0.1
Imazalil	0.1
Imazethapyr	0.1
Imidacloprid	0.1
Indaziflam	0.1
Indoxacarb	0.1
Iprobenfos	0.1
Iprodion	0.1
Isobenzan	0.1
Isufenphos	0.1
Isufenphos-methyl	0.1
Isufenphos-oxon	0.1
Isoprocab	0.1
Isoprothiolane	0.1
Isoproturon	0.1
Isoxaben	0.1
Kresoxim-methyl	0.1
Lindane	0.1
Linuron	0.1
Malaoxon	0.1
Malathion	0.1

Analyte	LOQ (mg/kg)
Mandipropamid	0.1
MCPA	0.1
MCPB	0.1
MCPP	0.1
Mecabarm	0.1
Mepanipyrim	0.1
Mesotrione	0.1
Metaxyl	0.1
Methamidophos	0.1
Methiocarb	0.1
Methiocarb sulfone	0.1
Methiocarb sulfoxide	0.1
Methomyl	0.1
Methoxyfenozide	0.1
Metolachlor	0.1
Metolcarb	0.1
Metrafenone	0.1
Mevinphos	0.1
MGK 264	0.1
Molinat	0.1
Monocrotophos	0.1
Monolinuron	0.1
Myclobutanil	0.1
Naled	0.1
Napropamide	0.1
Neburon	0.1
Norflurazon	0.1
Novaluron	0.1
Omethoat	0.1
Oryzalin	0.1
Oxadiazon	0.1
Oxadixyl	0.1
Oxamyl	0.1
Oxamyl-oxime	0.1
Oxychlorane	0.1
Oxydemeton-Methyl	0.1
Oxyfluorfen	0.1
Paclobutrazol	0.1
Paraoxon-ethyl	0.1
Paraoxon-methyl	0.1
Parathion-methyl	0.1
Penconazole	0.1
Pendimethalin	0.1
Penflufen	0.1
Penthiopyrad	0.1
Permethrin	0.1
Perthane	0.1
Phenmedipham	0.1

Analyte	LOQ (mg/kg)
Phenothrin	0.1
Phenthoate	0.1
Phorate	0.1
Phorate-Sulfone	0.1
Phorate-Sulfoxide	0.1
Phosalone	0.1
Phosmet	0.1
Phosphamidon	0.1
Phoxim	0.1
Pinoxaden	0.1
Piperonyl Butoxide	0.1
Pirimicarb	0.1
Pirimiphos-ethyl	0.1
Pirimiphos-methyl	0.1
Prallethrin	0.1
Prochloraz	0.1
Procymidone	0.1
Profenofos	0.1
Promecarb	0.1
Prometon	0.1
Prometryn	0.1
Propachlor	0.1
Propamocarb	0.1
Propanil	0.1
Propazine	0.1
Propetamophos	0.1
Propham	0.1
Propiconazole	0.1
Propoxur	0.1
Propyzamide	0.1
Prothiofos	0.1
Pyraclostrobin	0.1
Pyraflufen Ethyl	0.1
Pyrazophos	0.1
Pyrethrin	0.1
Pyridaben	0.1
Pyrimethanil	0.1
Pyriproxifen	0.1
Pyroxasulfone	0.1
Pyroxulam	0.1
Quinalphos	0.1
Quinclorac	0.1
Quinoxifen	0.1
Quintozene(PCNB)	0.2
Quizalofop	0.1
Resmethrin	0.1
Rotenone	0.1
Safufenacil	0.1

LOQ= Limit of Quantitation
mg/kg= milligram per kilogram (ppm)



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



Report Number: 23-000690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16



**P2320 Multi-Residue Pesticide Profile
 Cannabis**

Analyte	LOQ (mg/kg)
Sebuthylazin	0.1
Sethoxydim	0.1
Simazine	0.1
Simetryn	0.1
Spinetoram J/L	0.1
Spinosyn A/D	0.1
Spirodiclofen	0.1
Spiromesifen	0.1
Spirotetramat	0.1
Spiroxamine	0.1
Sulfentrazone	0.1
Sulfotep	0.1
Sulfoxaflor	0.1
Sulprofos	0.1
Tebuconazole	0.1
Tebufenozide	0.1
Terbufos	0.1
Terbutylazine	0.1
Terbutryn	0.1
Tetrachlorvinphos	0.1
Tetraconazole	0.1
Tetramethrin	0.1
Thiabendazol	0.1
Thiabendazol-5-hydroxy	0.1
Thiacloprid	0.1
Thiamethoxam	0.1
Thiobencarb	0.1
Thiodicarb	0.1
Thiometon	0.1
Thiophanate-methyl	0.2
Tolfenpyrad	0.1
Tolyfluanid	0.1
Triadimefon	0.1
Triadimenol	0.1
Triazophos	0.1
Trifloxystrobin	0.1
Triflumizole	0.1
Triticonazole	0.1
Zoxamid	0.1

LOQ= Limit of Quantitation
 mg/kg= milligram per kilogram (ppm)



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

Report Number: 23-00690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16



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

Revision: 4.00 Control: CP028 Rev 02/24/2021 Eff: 03/04/2021
ORELAP ID: OR100028

Company: <u>The Hemp Collect</u> Contact: <u>kyle@thehemppcollect.com</u> Street: <u>431 NW Handers St.</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input checked="" type="checkbox"/> Email Results: <u>dropbox (IHL)</u> P#: <u>(503) 608164</u> <input type="checkbox"/> Fax Results: <u>()</u> Billing (if different): <u>joel@thehemppcollect.com</u>				Analysis Requested Pesticides - DR59 compounds Residual Solvents Moisture & Water Activity Terpene Micro: Yeast and Mold Micro: Coli and Total Coliform Heavy Metals Mycotoxins Other:										FO Numbers: _____ 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 - DR59 compounds	Residual Solvents	Moisture & Water Activity	Terpene	Micro: Yeast and Mold	Micro: Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Sample Type 1	Weight (Units)	Converts/Weigh ID	
1	01LIR209_LB			X	X	X				X			C			
2	01LIR209_KC			X	X	X				X			C			
3	01LIR209_FV			X	X	X				X			C			
4	01LIR209_VW			X	X	X				X			C			
5	01LIR209_SB			X	X	X				X			C			
6	01LIR209_BO			X	X	X				X			C			
7	01LIR209_LT			X	X	X				X			C			
8	01LIR209_RC			X	X	X				X			C			
9	01LIR209_PJ			X	X	X				X			C			
10	01LIR209_CJ			X	X	X				X			C			
Requested By:		Date	Time	Received By:		Date	Time	Lab Use Only:								
Kyle Farook		1/17	11:00 A	<i>[Signature]</i>		1-17-23	1110	<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>2.1+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: _____ Fragile storage: _____								
<i>[Signature]</i>		1-17	1337	<i>[Signature]</i>		1/17/23	1416									

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

Sample returned to Columbia Laboratories with testing requirements and/or suggestions for analysis in accordance with the current terms of service associated with the COC. By signing "Requested By" you are agreeing to these terms.

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

Report Number: 23-000690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16



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

Revision: 4.00 Control: CPO25 Rev 02/24/2021 Eff: 05/04/2021
ORELAP ID: OR100028

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 (IHC)</u> Fax: <input type="checkbox"/> (b1) 503154 <input type="checkbox"/> Fax Results: () Billing (if different): <u>joel@thehempcollect.com</u>				Analysis Requested Pentodes - Oil SO compounds Pentode Methyl Ester - 179 compounds Potency Residual Solvents Moisture & Water Activity Terpenes Micro: Yeast and Mold Micro: Coliform Total Counts 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> Sampled by: _____			
Lab ID	Client Sample Identification	Date	Time	Pentodes - Oil SO compounds	Pentode Methyl Ester - 179 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: Coliform Total Counts	Heavy Metals	Mycotoxins	Other	Sample Type 1	Weight (units)	Comments/Metric ID
1	01LIR209_OGK			X	X	X						X					
2	01LIR209_Shaolin			X	X	X						X					
3	01LIR209_Japhy			X	X	X						X					
4	01LIR209_PP			X	X	X						X					
5	01LIR209_MT			X	X	X						X					
6	01LIR209_PK			X	X	X						X					
7	01LIR209_SP			X	X	X						X					
8	01LIR209_Sour G			X	X	X						X					
9	01LIR209_FG			X	X	X						X					
10	01LIR209_RGSP			X	X	X						X					
Redesigned by:		Date:	Time:	Applied 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 type="checkbox"/> No - Temp (°C): <u>20.2</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: Freezing storage: _____									
Kyle Farook		1/17	11:00 A	<i>[Signature]</i>		1-17-23	11:0										
<i>[Signature]</i>		1-17	1335	<i>[Signature]</i>		01/17/23	1416										

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

Sample submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with the CAC. By signing "Redesigned by" you are agreeing to these terms
 12423 NE Whitaker Way
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Page _____ of _____
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Report Number: 23-000690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16



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

Revision: 4.00 Control#: CF025 Rev 02/24/2021 Eff: 03/04/2021
 ORELAP#: OR100028

Company: <u>The Hemp Collect</u> Contact: <u>kyle@thehempcollect.com</u> Street: <u>431 NW Sanders St</u> City: <u>Portland</u> State: <u>OR</u> Zip: <u>97209</u> <input checked="" type="checkbox"/> Email Results: <u>dropbox (IHG)</u> Fx: <u>(503) 608164</u> <input type="checkbox"/> Fx Results: () Billing (if different): <u>joel@thehempcollect.com</u>				Analysis Requested Pesticides - OHS compounds Pesticide Multi-Residue - 379 compounds Potency Residual Solvents Moisture & Water Activity Terpenes Micro: Yeast and Mold Micro: E. Coli and Total Coliforms Heavy Metals Mycotoxins Other:										FO Number: _____ Project Number: _____ Project Name: _____ Client Reporting: _____ Report to State: <input type="checkbox"/> METRC or <input type="checkbox"/> Other _____ Turnaround time: <input checked="" type="checkbox"/> 1 Business Day Standard Turnaround <input type="checkbox"/> 1 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 - OHS compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliforms	Heavy Metals	Mycotoxins	Other	Sample Type 1	Weight (Units)	Comments/Metric ID
1	01LIR209_TK			X	X	X						X			C		
2	01LIR209_STs			X	X	X						X			C		
3	01LIR209_CS			X	X	X						X			C		
4	01LIR209_PB			X	X	X						X			C		
5																	
6																	
7																	
8																	
9																	
10																	
Relinquished by:		Date	Time	Accepted by:		Date	Time	Lab Use Only:									
Kyle Farqok		1/17	11:00 A			1/23	11:16	<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>2.1</u> Sample is good condition: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cool <input type="checkbox"/> Check <input type="checkbox"/> OK <input type="checkbox"/> Min: _____ Freezing storage: _____									
		1/17	1336			01/17/23	1416										

1 - Sample Type Codes: Vegetation [V] ; Isolates [I] ; Extract/Concentrate [C] ; Tincture/Topical [T] ; Dabble [D] ; Beverage [B]

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Page _____ of _____
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Report Number: 23-000690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2300599

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.104	0.100	%	104	80.0	- 120	Acceptable	
CBDV	2	0.110	0.106	%	104	80.0	- 120	Acceptable	
CBE	2	0.108	0.105	%	103	80.0	- 120	Acceptable	
CBDA	1	0.0963	0.096	%	100	90.0	- 110	Acceptable	
CBGA	1	0.0966	0.096	%	100	80.0	- 120	Acceptable	
CBG	1	0.100	0.099	%	102	80.0	- 120	Acceptable	
CBD	1	0.0970	0.097	%	99.7	90.0	- 110	Acceptable	
THCV	2	0.108	0.106	%	102	80.0	- 120	Acceptable	
d8THCV	2	0.109	0.103	%	106	80.0	- 120	Acceptable	
THCVA	2	0.103	0.099	%	104	80.0	- 120	Acceptable	
CBN	1	0.103	0.102	%	101	80.0	- 120	Acceptable	
exo-THC	2	0.101	0.097	%	104	80.0	- 120	Acceptable	
d9THC	1	0.112	0.105	%	107	90.0	- 110	Acceptable	
d8THC	1	0.0963	0.100	%	95.8	90.0	- 110	Acceptable	
CBL	2	0.109	0.104	%	105	80.0	- 120	Acceptable	
d10THC	1	0.0474	0.047	%	100	80.0	- 120	Acceptable	
CBC	2	0.107	0.104	%	103	80.0	- 120	Acceptable	
THCA	1	0.0946	0.095	%	99.6	90.0	- 110	Acceptable	
CBCA	2	0.105	0.103	%	102	80.0	- 120	Acceptable	
CBLA	2	0.109	0.105	%	104	80.0	- 120	Acceptable	
CBT	2	0.110	0.105	%	104	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBDV	<LOQ	0.077	%	< 0.077	Acceptable	
CBE	<LOQ	0.077	%	< 0.077	Acceptable	
CBDA	<LOQ	0.077	%	< 0.077	Acceptable	
CBGA	<LOQ	0.077	%	< 0.077	Acceptable	
CBG	<LOQ	0.077	%	< 0.077	Acceptable	
CBD	<LOQ	0.077	%	< 0.077	Acceptable	
THCV	<LOQ	0.077	%	< 0.077	Acceptable	
d8THCV	<LOQ	0.077	%	< 0.077	Acceptable	
THCVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBN	<LOQ	0.077	%	< 0.077	Acceptable	
exo-THC	<LOQ	0.077	%	< 0.077	Acceptable	
d9THC	<LOQ	0.077	%	< 0.077	Acceptable	
d8THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBL	<LOQ	0.077	%	< 0.077	Acceptable	
d10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBC	<LOQ	0.077	%	< 0.077	Acceptable	
THCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBLA	<LOQ	0.077	%	< 0.077	Acceptable	
CBT	<LOQ	0.077	%	< 0.077	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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 Portland, OR 97230
 503-254-1794



Report Number: 23-000690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

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

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2300599						
Sample Duplicate		Sample ID: 23-000690-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	0.234	0.234	0.077	%	0.0872	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDA	54.6	54.7	0.077	%	0.322	< 20	Acceptable	
CBGA	1.61	1.61	0.077	%	0.0614	< 20	Acceptable	
CBG	0.100	0.102	0.077	%	1.57	< 20	Acceptable	
CBD	0.888	0.922	0.077	%	3.66	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	0.263	0.260	0.077	%	1.28	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCA	3.97	3.97	0.077	%	0.128	< 20	Acceptable	
CBCA	2.66	2.63	0.077	%	1.28	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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

Report Number: 23-000690/D018.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16



Revision: 2 Document ID: 7087
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2300683					
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		667	731	µg/g	91.2	60 - 120	
Butane	ND	< 200		656	731	µg/g	89.7	60 - 120	
2,2-Dimethylpropane	ND	< 200		876	936	µg/g	93.6	60 - 120	
Methanol	ND	< 200		1630	1620	µg/g	100.6	60 - 120	
Ethylene Oxide	ND	< 30		52.3	56.2	µg/g	93.1	60 - 120	
2-Methylbutane	ND	< 200		1460	1610	µg/g	90.7	60 - 120	
Pentane	ND	< 200		1470	1600	µg/g	91.9	60 - 120	
Ethanol	ND	< 200		1270	1610	µg/g	78.9	70 - 130	
Ethyl Ether	ND	< 200		1490	1630	µg/g	91.4	60 - 120	
2,2-Dimethylbutane	ND	< 30		167	171	µg/g	97.7	60 - 120	
Acetone	ND	< 200		1560	1630	µg/g	95.7	60 - 120	
2-Propanol	ND	< 200		1630	1620	µg/g	100.6	60 - 120	
Ethyl Formate	ND	< 500		1490	1670	µg/g	89.2	70 - 130	
Acetonitrile	ND	< 100		477	498	µg/g	95.8	60 - 120	
Methyl Acetate	ND	< 500		1590	1730	µg/g	91.9	70 - 130	
2,3-Dimethylbutane	ND	< 30		159	171	µg/g	93.0	60 - 120	
Dichloromethane	ND	< 60		462	483	µg/g	95.7	60 - 120	
2-Methylpentane	ND	< 30		157	168	µg/g	93.5	60 - 120	
MTBE	ND	< 500		1450	1650	µg/g	87.9	70 - 130	
3-Methylpentane	ND	< 30		142	167	µg/g	85.0	60 - 120	
Hexane	ND	< 30		215	182	µg/g	118.1	60 - 120	
1-Propanol	ND	< 500		1370	1620	µg/g	84.6	70 - 130	
Methylethylketone	ND	< 500		1540	1620	µg/g	95.1	70 - 130	
Ethyl acetate	ND	< 200		1610	1610	µg/g	100.0	60 - 120	
2-Butanol	ND	< 200		1570	1600	µg/g	98.1	60 - 120	
Tetrahydrofuran	ND	< 100		412	483	µg/g	85.3	60 - 120	
Cyclohexane	ND	< 200		1690	1610	µg/g	105.0	60 - 120	
2-methyl-1-propanol	ND	< 500		1200	1620	µg/g	74.1	70 - 130	
Benzene	ND	< 1		4.47	5.02	µg/g	89.0	60 - 120	
Isopropyl Acetate	ND	< 200		1620	1620	µg/g	100.0	60 - 120	
Heptane	ND	< 200		1760	1610	µg/g	109.3	60 - 120	
1-Butanol	ND	< 500		1030	1630	µg/g	63.2	70 - 130	Q6
Propyl Acetate	ND	< 500		1330	1610	µg/g	82.6	70 - 130	
1,4-Dioxane	ND	< 100		432	491	µg/g	88.0	60 - 120	
2-Ethoxyethanol	ND	< 30		126	181	µg/g	69.6	60 - 120	
Methylisobutylketone	ND	< 500		1350	1620	µg/g	95.7	70 - 130	
3-Methyl-1-butanol	ND	< 500		1370	1630	µg/g	84.0	70 - 130	
Ethylene Glycol	ND	< 200		533	484	µg/g	110.1	60 - 120	
Toluene	ND	< 100		435	485	µg/g	89.7	60 - 120	
Isobutyl Acetate	ND	< 500		1540	1630	µg/g	94.5	70 - 130	
1-Pentanol	ND	< 500		1260	1620	µg/g	77.8	70 - 130	
Butyl Acetate	ND	< 500		1400	1620	µg/g	86.4	70 - 130	
Ethylbenzene	ND	< 200		942	969	µg/g	97.2	60 - 120	
m,p-Xylene	ND	< 200		957	994	µg/g	96.3	60 - 120	
o-Xylene	ND	< 200		883	967	µg/g	91.3	60 - 120	
Cumene	ND	< 30		131	171	µg/g	76.6	60 - 120	
Anisole	ND	< 500		1060	1630	µg/g	65.0	70 - 130	Q6
DMSO	ND	< 500		1650	1680	µg/g	98.2	70 - 130	
1,2-dimethoxyethane	ND	< 50		152	169	µg/g	89.9	70 - 130	
Triethylamine	ND	< 500		1510	1630	µg/g	92.6	70 - 130	
N,N-dimethylformamide	ND	< 150		422	482	µg/g	87.6	70 - 130	
N,N-dimethylacetamide	ND	< 150		376	510	µg/g	73.7	70 - 130	
Pyridine	ND	< 50		190	203	µg/g	93.6	70 - 130	
Sulfolane	ND	< 50		111	172	µg/g	64.5	70 - 130	Q6



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Received: 01/17/23 14:16



Revision: 2 Document ID: 7087
 Legacy ID: CFL-E33Effective:

QC - Sample Duplicate		Sample ID: 23-000399-0001						
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	529	537	200	µg/g	1.5	< 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	

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
 LOQ - Limit of Quantitation
 Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

µg/g - Microgram per gram or ppm



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



Report Number: 23-000690/D018.R000
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12423 NE Whitaker Way
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 503-254-1794



Report Number: 23-000690/D018.R000
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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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Sample **01SDT224_CRD_CRYSTAL RES. CBD**

Sample ID SD230412-042 (72070)	Matrix Concentrate (Inhalable Cannabis Good)
Tested for The Hemp Collect	
Sampled -	Received Apr 12, 2023
Analyses executed CAN+, RES, MIBIG, MTO, PES, HME, FVI	Reported Apr 24, 2023

CAN+ - Cannabinoids Analysis

Analyzed Apr 24, 2023 | Instrument HPLC-VWD | Method SOP-001
 The expanded Uncertainty of the Cannabinoid analysis is approximately 7.806% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBD)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND
Cannabigerol (CBG)	0.001	0.16	0.77	7.73
Cannabidiol (CBD)	0.001	0.16	49.16	491.56
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	2.29	22.93
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	ND	ND
Cannabicyclol (CBL)	0.002	0.16	0.76	7.64
Cannabichromene (CBC)	0.002	0.16	5.71	57.09
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
Total THC (THCa + Δ9THC)			ND	ND
Total THC + Δ8THC (THCa + Δ9THC + Δ8THC)			ND	ND
Total CBD (CBDA + CBD)			49.16	491.56
Total CBG (CBGA + CBG)			0.77	7.73
Total Cannabinoids			58.70	586.95

HME - Heavy Metals Detection Analysis

Analyzed Apr 14, 2023 | Instrument ICP/MSMS | Method SOP-005

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0002	0.0005	ND	0.2	Cadmium (Cd)	3.0e-05	0.0005	ND	0.2
Mercury (Hg)	1.0e-05	0.0001	ND	0.1	Lead (Pb)	1.0e-05	0.00125	ND	0.5

MIBIG - Microbial Testing Analysis

Analyzed Apr 17, 2023 | Instrument qPCR and/or Plating | Method SOP-007

Analyte	Result CFU/g	Limit	Analyte	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli	ND	ND per 1 gram	Salmonella spp.	ND	ND per 1 gram
Aspergillus fumigatus	ND	ND per 1 gram	Aspergillus flavus	ND	ND per 1 gram
Aspergillus niger	ND	ND per 1 gram	Aspergillus terreus	ND	ND per 1 gram

MTO - Mycotoxin Testing Analysis

Analyzed Apr 14, 2023 | Instrument LC/MSMS | Method SOP-004

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND	-	Total Aflatoxins	10.0	20.0	ND	20

UI Not Identified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
 Mon, 24 Apr 2023 14:10:27 -0700

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PES - Pesticides Screening Analysis

Analyzed Apr 14, 2023 | Instrument LC/MSMS GC/MSMS | Method SOP-003

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazail	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclbutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.05	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.1
Acephate	0.02	0.05	ND	0.1	Acetamidprid	0.01	0.05	ND	0.1
Azoxystrobin	0.01	0.02	ND	0.1	Bifenazate	0.01	0.05	ND	0.1
Bifenthrin	0.02	0.35	ND	3	Boscalid	0.01	0.03	ND	0.1
Carbaryl	0.01	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	10
Clofentezine	0.01	0.03	ND	0.1	Diazinon	0.01	0.02	ND	0.1
Dimethomorph	0.02	0.06	ND	2	Etoxazole	0.01	0.05	ND	0.1
Fenpyroximate	0.02	0.1	ND	0.1	Fonicamid	0.01	0.02	ND	0.1
Fludioxonil	0.01	0.05	ND	0.1	Hexythiazox	0.01	0.03	ND	0.1
Imidacloprid	0.01	0.05	ND	5	Kresoxim-methyl	0.01	0.03	ND	0.1
Malathion	0.01	0.05	ND	0.5	Metalaxyl	0.01	0.02	ND	2
Methomyl	0.02	0.05	ND	1	Myclobutanil	0.02	0.07	ND	0.1
Naled	0.01	0.02	ND	0.1	Oxamyl	0.01	0.02	ND	0.5
Permethrin	0.01	0.02	ND	0.5	Phosmet	0.01	0.02	ND	0.1
Piperonyl Butoxide	0.02	0.06	ND	3	Propiconazole	0.03	0.08	ND	0.1
Prallethrin	0.02	0.05	ND	0.1	Pyrethrin	0.05	0.41	ND	0.5
Pyridaben	0.02	0.07	ND	0.1	Spinosad A	0.01	0.05	ND	0.1
Spinosad D	0.01	0.05	ND	0.1	Spiromesifen	0.02	0.06	ND	0.1
Spirotetramat	0.01	0.02	ND	0.1	Tebuconazole	0.01	0.02	ND	0.1
Thiamethoxam	0.01	0.02	ND	5	Trifloxystrobin	0.01	0.02	ND	0.1
Acequinocyl	0.02	0.09	ND	0.1	Captan	0.01	0.02	ND	0.7
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	2
Fenhexamid	0.02	0.07	ND	0.1	Spinetoram J.L	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	ND	0.1					

RES - Residual Solvents Testing Analysis

Analyzed Apr 20, 2023 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	ND		Butane (But)	0.4	40.0	ND	
Methanol (Metha)	0.4	40.0	ND		Ethylene Oxide (EthOx)	0.4	0.8	ND	
Pentane (Pen)	0.4	40.0	ND		Ethanol (Ethan)	0.4	40.0	ND	
Ethyl Ether (EthEt)	0.4	40.0	ND		Acetone (Acet)	0.4	40.0	<LOQ	
Isopropanol (2-Pro)	0.4	40.0	ND		Acetonitrile (Acetonit)	0.4	40.0	ND	
Methylene Chloride (MetCh)	0.4	0.8	ND		Hexane (Hex)	0.4	40.0	ND	
Ethyl Acetate (EthAc)	0.4	40.0	ND		Chloroform (Clo)	0.4	0.8	ND	
Benzene (Ben)	0.4	0.8	ND		1,2-Dichloroethane (12-Dich)	0.4	0.8	ND	
Heptane (Hep)	0.4	40.0	ND		Trichloroethylene (TriClIEth)	0.4	0.8	ND	
Toluene (Toluene)	0.4	40.0	ND		Xylenes (Xyl)	0.4	40.0	ND	

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Apr 13, 2023 | Instrument Microscope | Method SOP-010

Analyte / Limit	Result	Analyte / Limit	Result
> 1/4 of the total sample area covered by sand, soil, cinders, or dirt	ND	> 1/4 of the total sample area covered by mold	ND
> 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3g	ND	> 1/4 of the total sample area covered by an imbedded foreign material	ND

UI Not Identified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
 Mon, 24 Apr 2023 14:10:27 -0700

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