



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



**Report Number:** 23-001315/D003.R000  
**Report Date:** 02/07/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/31/23 13:42

**Customer:** IHC LLC  
**Product identity:** 0102030506LIRVAP200\_PJ  
**Client/Metric ID:** .  
**Laboratory ID:** 23-001315-0004

### Summary

**Potency:**

Analyte	Result (%)			
Δ8-THC	60.9			
Δ8-THCV	4.40			
CBG	3.86			
CBD-A	3.49			
CBDV	3.21			
CBDV-A	1.84			
CBT	0.194			
CBC-A	0.184			
THC-A	0.162			
THCV-A	0.112			
CBD	0.0827			
				<b>CBD-Total</b> 3.14%
				<b>THC-Total</b> 0.142%
				(Reported in percent of total sample)



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**Report Number:** 23-001315/D003.R000  
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**Purchase Order:**  
**Received:** 01/31/23 13:42

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

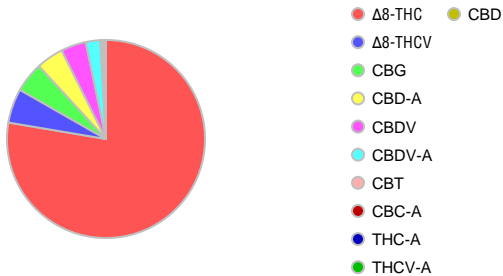
**Product identity:** 0102030506LIRVAP200\_PJ  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 23-001315-0004  
**Evidence of Cooling:** No  
**Temp:** 15 °C  
**Relinquished by:** Ramos



### Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)<sup>P</sup> **Units %** **Batch:** 2301072 **Analyze:** 2/2/23 11:36:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	< LOQ		0.0673	
CBC-A	0.184		0.0673	
CBC-Total	0.161		0.126	
CBD	0.0827		0.0673	
CBD-A	3.49		0.0673	
CBD-Total	3.14		0.126	
CBDV	3.21		0.0673	
CBDV-A	1.84		0.0673	
CBDV-Total	4.80		0.126	
CBE	< LOQ		0.0673	
CBG	3.86		0.0673	
CBG-A	< LOQ		0.0673	
CBG-Total	3.86		0.126	
CBL	< LOQ		0.0673	
CBL-A	< LOQ		0.0673	
CBL-Total	< LOQ		0.126	
CBN	< LOQ		0.0673	
CBT	0.194		0.0673	
Δ10-THC-9R	< LOQ		0.0673	
Δ10-THC-9S	< LOQ		0.0673	
Δ10-THC-Total	< LOQ		0.135	
Δ8-THC	60.9		0.673	
Δ8-THCV	4.40		0.0673	
Δ9-THC	< LOQ		0.0673	
exo-THC	< LOQ		0.0673	
THC-A	0.162		0.0673	
THC-Total	0.142		0.126	
THCV	< LOQ		0.0673	
THCV-A	0.112		0.0673	
THCV-Total	< LOQ		0.126	
<b>Total Cannabinoids</b>	<b>78.4</b>			





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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.

<sup>D</sup> = ISO/IEC 17025:2017 accredited method.

**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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Report Number: 23-001315/D003.R000  
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Hemp / Cannabis Usable / Extract / Finished Products  
 Chain of Custody Record

Revision: 4.00 Control #: CP023 Rev 02/24/2021 Eff: 03/04/2021  
 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> Ph: <u>(503) 6081643</u> Fx Results: ( ) Billing (if different): <u>joe@thehempcollect.com</u>				Analysis Requested <input type="checkbox"/> Pesticides - OR 55 compounds <input type="checkbox"/> Pesticide Multi-Residue - 370 compounds <input type="checkbox"/> Volatiles <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Moisture & Water Activity <input type="checkbox"/> Terpenes <input type="checkbox"/> Micro: Yeast and Mold <input type="checkbox"/> Micro: 6-OM and Total Caffeoyl <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"/> 5 Business Day Rush Turnaround* <input type="checkbox"/> 2 Business Day Rush Turnaround* <i>*Check for availability</i>	
Lab ID	Client Sample Identification	Date	Time								Sample Type	Weight (Units)	Comments/Metric ID
1	D8 Flower - SP												- Sample #4: H0010 extended potency panel
2	D103LIRVAP200_WW												
3	D103LIRVAP200_CJ												
4	D102030506LIRVAP200_PJ												
5	D10307LIRVAP200_PK												
5	Flower - Pineapple Kush												
7													
8													
9													
10													
Relinquished By:		Date	Time	Signature	Date	Time	Lab Use Only:						
Kyle Farock		1/31	11:30 A	<i>[Signature]</i>	1-31-23	11:30	<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>15.0</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: _____ Risking storage: _____						
<i>[Signature]</i>		1-31	11:48	<i>[Signature]</i>	1/31	13:42							

\* - 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 analysis in accordance with the current state of science associated with the COC. Shipping "Relinquished to" you are agreeing to these terms

12423 NE Whitaker Way  
 Portland, OR 97230

P: (503) 254-1794 / Fax: (503) 254-3472  
[www.columbialaboratories.com](http://www.columbialaboratories.com)

Page \_\_\_\_\_ of \_\_\_\_\_  
[www.columbialaboratories.com](http://www.columbialaboratories.com)



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**Received:** 01/31/23 13:42

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2301072

Laboratory Control Sample										
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	2	0.103	0.100	%	103	80.0	- 120	Acceptable		
CBDV	2	0.113	0.100	%	113	80.0	- 120	Acceptable		
CBE	2	0.106	0.100	%	106	80.0	- 120	Acceptable		
CBDA	1	0.112	0.111	%	101	90.0	- 110	Acceptable		
CBGA	1	0.112	0.110	%	101	80.0	- 120	Acceptable		
CBG	1	0.117	0.115	%	102	80.0	- 120	Acceptable		
CBD	1	0.114	0.113	%	100	90.0	- 110	Acceptable		
THCV	2	0.100	0.100	%	100	80.0	- 120	Acceptable		
d8THCV	2	0.104	0.100	%	104	80.0	- 120	Acceptable		
THCVA	2	0.100	0.100	%	100	80.0	- 120	Acceptable		
CBN	1	0.117	0.118	%	99.4	80.0	- 120	Acceptable		
exo-THC	2	0.0976	0.100	%	97.6	80.0	- 120	Acceptable		
d9THC	1	0.116	0.119	%	98.1	90.0	- 110	Acceptable		
d8THC	1	0.118	0.120	%	98.7	90.0	- 110	Acceptable		
9S-d10THC	1	0.0589	0.060	%	97.4	80.0	- 120	Acceptable		
CBL	2	0.0964	0.100	%	96.4	80.0	- 120	Acceptable		
9R-d10THC	1	0.0533	0.055	%	97.3	80.0	- 120	Acceptable		
CBC	2	0.103	0.100	%	103	80.0	- 120	Acceptable		
THCA	1	0.105	0.108	%	97.1	90.0	- 110	Acceptable		
CBCA	2	0.104	0.100	%	104	80.0	- 120	Acceptable		
CBLA	2	0.104	0.100	%	104	80.0	- 120	Acceptable		
CBT	2	0.100	0.100	%	100	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	
9S-d10THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBL	<LOQ	0.077	%	< 0.077	Acceptable	
9R-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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Revision: 1 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2301072						
Sample Duplicate		Sample ID: 23-001102-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	0.430	0.438	0.077	%	1.83	< 20	Acceptable	
CBE	1.31	1.34	0.077	%	2.06	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	0.289	0.284	0.077	%	1.70	< 20	Acceptable	
CBD	84.3	85.7	0.077	%	1.59	< 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	0.314	0.321	0.077	%	2.34	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	0.0921	0.0937	0.077	%	1.72	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	0.398	0.407	0.077	%	2.20	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	1.09	1.10	0.077	%	0.898	< 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/D025.R000  
**Report Date:** 01/24/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/17/23 14:16

**Customer:** IHC LLC  
**Product identity:** 01LIR209\_PJ  
**Client/Metric ID:** .  
**Laboratory ID:** 23-000690-0009

### Summary

#### Potency:

Analyte	Result (%)		
CBD-A	60.0		
CBDV-A	9.84		
CBC-A	2.61		
THC-A	2.48		
CBG-A	1.01		
THCV-A	0.543		
CBD	0.479		
CBG	0.155		
Δ9-THC	0.103		
			<b>CBD-Total</b> 53.1% <hr/> <b>THC-Total</b> 2.28% (Reported in percent of total sample)

#### Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
n-Butane	1890		
Butanes (sum)	1890	5000	pass

#### Pesticides:

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Bifenthrin	0.186		

#### Metals:

Less than LOQ for all analytes.



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**Report Number:** 23-000690/D025.R000  
**Report Date:** 01/24/2023  
**ORELAP#:** OR100028  
**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\_PJ  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 23-000690-0009  
**Evidence of Cooling:** No  
**Temp:** 20 °C  
**Relinquished by:** ramos



### Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) <sup>p</sup>			Units %	Batch: 2300599	Analyze: 1/19/23 7:28:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0701			
CBC-A	2.61		0.0701			
CBC-Total	2.29		0.132			
CBD	0.479		0.0701			
CBD-A	60.0		0.701			
CBD-Total	53.1		0.685			
CBDV	< LOQ		0.0701			
CBDV-A	9.84		0.0701			
CBDV-Total	8.53		0.131			
CBE	< LOQ		0.0701			
CBG	0.155		0.0701			
CBG-A	1.01		0.0701			
CBG-Total	1.04		0.131			
CBL	< LOQ		0.0701			
CBL-A	< LOQ		0.0701			
CBL-Total	< LOQ		0.132			
CBN	< LOQ		0.0701			
CBT	< LOQ		0.0701			
Δ10-THC-9R	< LOQ		0.0701			
Δ8-THC	< LOQ		0.0701			
Δ8-THCV	< LOQ		0.0701			
Δ9-THC	0.103		0.0701			
exo-THC	< LOQ		0.0701			
THC-A	2.48		0.0701			
THC-Total	2.28		0.132			
THCV	< LOQ		0.0701			
THCV-A	0.543		0.0701			
THCV-Total	0.477		0.131			
<b>Total Cannabinoids</b>	<b>77.2</b>					



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Solvents											Method: Residual Solvents by GC/MS <sup>b</sup>					Units µg/g		Batch 2300691		Analyze 01/23/23 03:03 PM				
Analyte	Result	Limits	LOQ	Status	Notes	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-Methylbutane (Isopentane)	< LOQ		200									
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Propanol (IPA)	< LOQ	5000	200	pass		2,2-Dimethylpropane (neo-pentane)	< LOQ		200									
2-Methylpentane	< LOQ		30.0			3-Methylpentane	< LOQ					Acetonitrile	< LOQ	410	100	pass								
2,2-Dimethylbutane	< LOQ		30.0			Acetonitrile	< LOQ	410	100	pass		Butanes (sum)	1890	5000	400	pass								
2,3-Dimethylbutane	< LOQ		30.0			Ethyl acetate	< LOQ	5000	200	pass		Ethyl ether	< LOQ	5000	200	pass								
Acetone	< LOQ	5000	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass		Ethylene glycol	< LOQ	620	200	pass								
Benzene	< LOQ	2.00	1.00	pass		Isopropyl acetate	< LOQ	5000	200	pass		Hexanes (sum)	< LOQ	290	150	pass								
Cyclohexane	< LOQ	3880	200	pass		m,p-Xylene	< LOQ					Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass								
Ethyl benzene	< LOQ		200			Methylene chloride	< LOQ	600	60.0	pass		Methanol	< LOQ	3000	200	pass								
Ethylene glycol	< LOQ	620	200	pass		n-Butane	1890					Methylpropane (Isobutane)	< LOQ		200									
Hexanes (sum)	< LOQ	290	150	pass		n-Hexane	< LOQ					n-Heptane	< LOQ	5000	200	pass								
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		o-Xylene	< LOQ					n-Pentane	< LOQ		200									
Methanol	< LOQ	3000	200	pass		Propane	< LOQ	5000	200	pass		Pentanes (sum)	< LOQ	5000	600	pass								
Methylpropane (Isobutane)	< LOQ		200			Toluene	< LOQ	890	100	pass		Tetrahydrofuran	< LOQ	720	100	pass								
n-Heptane	< LOQ	5000	200	pass		Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass		Total Xylenes	< LOQ		400									
n-Pentane	< LOQ		200																					
Pentanes (sum)	< LOQ	5000	600	pass																				
Tetrahydrofuran	< LOQ	720	100	pass																				
Total Xylenes	< LOQ		400																					

Pesticides											Method: AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>					Units mg/kg		Batch 2300687		Analyze 01/23/23 01:15 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes							
Bifenthrin	0.186		0.100																					

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes		
Arsenic	< LOQ	0.200	mg/kg	0.0791	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass			
Cadmium	< LOQ	0.200	mg/kg	0.0791	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass			
Lead	< LOQ	0.500	mg/kg	0.0791	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass			
Mercury	< LOQ	0.100	mg/kg	0.0395	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass			



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**Purchase Order:**  
**Received:** 01/17/23 14:16

**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.

<sup>p</sup> = 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
Etozazole	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/D025.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
Haloxypol	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
Pyroxsulam	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)



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 503-254-1794



**Report Number:** 23-000690/D025.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: 23-000690/D025.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>				<b>Analysis Requested</b> 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)	Conversions/Units 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 (FC): <u>2-3</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: _____ Freight storage: _____								
<i>[Signature]</i>		1-17	1337	<i>[Signature]</i>		1/17/23	1416									

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

Sample returned to Columbia Laboratories with testing requirements completed and approved 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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 Portland, OR 97230

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12423 NE Whitaker Way  
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503-254-1794

Report Number: 23-000690/D025.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> P#: <input checked="" type="checkbox"/> (b1) 608164 <input type="checkbox"/> P# Results: ( ) Billing (if different): <u>joel@thehempcollect.com</u>				<b>Analysis Requested</b> <input type="checkbox"/> Potency <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Moisture & Water Activity <input type="checkbox"/> Terpenes <input type="checkbox"/> Micro: Yeast and Molds <input type="checkbox"/> Micro: E. Coli and Total Coliforms <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 - OILSO compounds	Pesticide Multi-Residue - 179 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Molds	Micro: E. Coli and Total Coliforms	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					
Relinquished by:		Date:	Time:	Accepted By:		Date:	Time:	Lab Use Only:									
Kyle Farook		1/17	11:00 A	<i>[Signature]</i>		1-17-23	11:0	<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"/> Nit: _____ Freezing storage: _____									
<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 "Relinquished by" you are agreeing to these terms.  
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**Report Number:** 23-000690/D025.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>(b1) b0b1b4</u> <input type="checkbox"/> Fx Results: ( ) Billing (if different): <u>joel@thehempcollect.com</u>				<b>Analysis Requested</b> 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	Received 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]

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for analysis in accordance with the current state of Oregon statutes and the COC. By signing "Relinquished by" you are agreeing to these terms.

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



**Report Number:** 23-000690/D025.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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**Report Number:** 23-000690/D025.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:



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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2300691					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		547	572	µg/g	95.6	60 - 120	
Isobutane	ND	< 200		701	731	µg/g	95.9	60 - 120	
Butane	ND	< 200		678	731	µg/g	92.7	60 - 120	
2,2-Dimethylpropane	ND	< 200		893	936	µg/g	95.4	60 - 120	
Methanol	ND	< 200		1580	1620	µg/g	97.5	60 - 120	
Ethylene Oxide	ND	< 30		55	56.2	µg/g	97.9	60 - 120	
2-Methylbutane	ND	< 200		1520	1610	µg/g	94.4	60 - 120	
Pentane	ND	< 200		1520	1600	µg/g	95.0	60 - 120	
Ethanol	ND	< 200		1610	1610	µg/g	100.0	70 - 130	
Ethyl Ether	ND	< 200		1560	1630	µg/g	95.7	60 - 120	
2,2-Dimethylbutane	ND	< 30		164	171	µg/g	95.9	60 - 120	
Acetone	ND	< 200		1560	1630	µg/g	95.7	60 - 120	
2-Propanol	ND	< 200		1670	1620	µg/g	103.1	60 - 120	
Acetonitrile	ND	< 100		475	498	µg/g	95.4	60 - 120	
2,3-Dimethylbutane	ND	< 30		160	171	µg/g	93.6	60 - 120	
Dichloromethane	ND	< 60		476	483	µg/g	98.6	60 - 120	
2-Methylpentane	ND	< 30		161	168	µg/g	95.8	60 - 120	
3-Methylpentane	ND	< 30		146	167	µg/g	87.4	60 - 120	
Hexane	ND	< 30		208	182	µg/g	114.3	60 - 120	
Ethyl acetate	ND	< 200		1570	1610	µg/g	97.5	60 - 120	
2-Butanol	ND	< 200		1660	1600	µg/g	103.8	60 - 120	
Tetrahydrofuran	ND	< 100		474	483	µg/g	98.1	60 - 120	
Cyclohexane	ND	< 200		1540	1610	µg/g	95.7	60 - 120	
Benzene	ND	< 1		5.3	5.02	µg/g	105.6	60 - 120	
Isopropyl Acetate	ND	< 200		1670	1620	µg/g	103.1	60 - 120	
Heptane	ND	< 200		1500	1610	µg/g	93.2	60 - 120	
1,4-Dioxane	ND	< 100		475	491	µg/g	96.7	60 - 120	
2-Ethoxyethanol	ND	< 30		316	181	µg/g	174.6	60 - 120	Q1
Ethylene Glycol	ND	< 200		698	484	µg/g	144.2	60 - 120	Q1
Toluene	ND	< 100		465	485	µg/g	95.9	60 - 120	
Ethylbenzene	ND	< 200		911	969	µg/g	94.0	60 - 120	
m,p-Xylene	ND	< 200		915	994	µg/g	92.1	60 - 120	
o-Xylene	ND	< 200		901	967	µg/g	93.2	60 - 120	
Cumene	ND	< 30		161	171	µg/g	94.2	60 - 120	



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

QC - Sample Duplicate		Sample ID: 23-000690-0005						
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	1250	1160	200	µg/g	7.5	< 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	
Acetonitrile	ND	ND	100	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	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	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	
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	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	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	
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	

**Abbreviations**

ND - None Detected at or above MRL  
 RPD - Relative Percent Difference  
 LOQ - Limit of Quantitation  
 Q1 - Quality control result biased high. Only non-detect samples reported.

**Units of Measure:**

µg/g - Microgram per gram or ppm



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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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 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368



Sample **O3DTST224\_AMBER\_D8 Distillate**

Sample ID <b>SD230329-008 (71349)</b>	Matrix <b>Concentrate (Inhalable Cannabis Good)</b>
Tested for <b>The Hemp Collect</b>	
Sampled <b>-</b>	Received <b>Mar 28, 2023</b>
	Reported <b>Apr 05, 2023</b>
Analyses executed <b>CAN+, RES, MIBIG, MTO, PES, HME, FVI</b>	

**Laboratory note:** The estimated concentration of the unknown peak in the sample is 6.60%. Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)-8-THC or d9-THC. At this time there are no reference standards available for (+)-8-THC. (+)-8-THC is a different compound from the main (-)-8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)-8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)-8-THC and d9-THC with the majority, if not all, of the concentration being (+)-8-THC. Total (+/-) D8 Concentration is estimated to be: 94.56%

**CAN+ - Cannabinoids Analysis**

Analyzed **Apr 04, 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	ND	ND
Cannabidiol (CBD)	0.001	0.16	ND	ND
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	94.56	945.60
Cannabicyclol (CBL)	0.002	0.16	ND	ND
Cannabichromene (CBC)	0.002	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
<b>Total THC ( THCa * 0.877 + Δ9THC )</b>			ND	ND
<b>Total THC + Δ8THC ( THCa * 0.877 + Δ9THC + Δ8THC )</b>			94.56	945.60
<b>Total CBD ( CBDA * 0.877 + CBD )</b>			ND	ND
<b>Total CBG ( CBGA * 0.877 + CBG )</b>			ND	ND
<b>Total Cannabinoids</b>			94.56	945.60

**HME - Heavy Metals Detection Analysis**

Analyzed **Apr 04, 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 **Mar 31, 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 04, 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  
 Wed, 05 Apr 2023 10:13:00 -0700

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PES - Pesticides Screening Analysis

Analyzed Apr 04, 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	Acetamiprid	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
Clofentazine	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 04, 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	5000.0	Butane (But)	0.4	40.0	ND	5000.0
Methanol (Metha)	0.4	40.0	ND	3000.0	Ethylene Oxide (EthOx)	0.4	0.8	ND	1.0
Pentane (Pen)	0.4	40.0	ND	5000.0	Ethanol (Ethan)	0.4	40.0	ND	5000.0
Ethyl Ether (EthEt)	0.4	40.0	ND	5000.0	Acetone (Acet)	0.4	40.0	ND	5000.0
Isopropanol (2-Pro)	0.4	40.0	ND	5000.0	Acetonitrile (Acetonit)	0.4	40.0	ND	410.0
Methylene Chloride (MetCh)	0.4	0.8	1.0	1.0	Hexane (Hex)	0.4	40.0	ND	290.0
Ethyl Acetate (EthAc)	0.4	40.0	ND	5000.0	Chloroform (Clo)	0.4	0.8	ND	1.0
Benzene (Ben)	0.4	0.8	ND	1.0	1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	1.0
Heptane (Hep)	0.4	40.0	ND	5000.0	Trichloroethylene (TriClEtH)	0.4	0.8	ND	1.0
Toluene (Toluene)	0.4	40.0	ND	890.0	Xylenes (Xyl)	0.4	40.0	ND	2170.0

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Mar 30, 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  
 Wed, 05 Apr 2023 10:13:00 -0700

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