



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



**Report Number:** 23-000690/D004.R000  
**Report Date:** 01/24/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/17/23 14:16

**Customer:** IHC LLC  
**Product identity:** 01LIR209\_SP  
**Client/Metric ID:** .  
**Laboratory ID:** 23-000690-0017

### Summary

#### Potency:

Analyte	Result (%)		
CBD-A	59.0		
CBDV-A	5.17		
CBC-A	2.83		
THC-A	2.39		
CBG-A	1.97		
CBD	0.909		
THCV-A	0.667		
Δ9-THC	0.252		
CBG	0.175		
CBC	0.0720		

  

CBD-Total	52.7%
THC-Total	2.35%
(Reported in percent of total sample)	

#### Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
Butanes (sum)	931	5000	pass
n-Butane	931		

#### 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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**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\_SP  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 23-000690-0017  
**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 8:47:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	0.0720		0.0698			
CBC-A	2.83		0.0698			
CBC-Total	2.55		0.131			
CBD	0.909		0.0698			
CBD-A	59.0		0.698			
CBD-Total	52.7		0.682			
CBDV	< LOQ		0.0698			
CBDV-A	5.17		0.0698			
CBDV-Total	4.48		0.130			
CBE	< LOQ		0.0698			
CBG	0.175		0.0698			
CBG-A	1.97		0.0698			
CBG-Total	1.90		0.130			
CBL	< LOQ		0.0698			
CBL-A	< LOQ		0.0698			
CBL-Total	< LOQ		0.131			
CBN	< LOQ		0.0698			
CBT	< LOQ		0.0698			
Δ10-THC-9R	< LOQ		0.0698			
Δ8-THC	< LOQ		0.0698			
Δ8-THCV	< LOQ		0.0698			
Δ9-THC	0.252		0.0698			
exo-THC	< LOQ		0.0698			
THC-A	2.39		0.0698			
THC-Total	2.35		0.131			
THCV	< LOQ		0.0698			
THCV-A	0.667		0.0698			
THCV-Total	0.586		0.130			
<b>Total Cannabinoids</b>	<b>73.4</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
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)	931	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	931		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) <sup>b</sup>			Units mg/kg		Batch 2300713	Analyze 01/24/23 10:07 AM	
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	0.0751	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Cadmium	< LOQ	0.200	mg/kg	0.0751	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Lead	< LOQ	0.500	mg/kg	0.0751	2300724	01/23/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Mercury	< LOQ	0.100	mg/kg	0.0376	2300594	01/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	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.

<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)



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**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
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)



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**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

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**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 Pesticides - 379 compounds Potency 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* *Check for availability			
Lab ID	Client Sample Identification	Date	Time	Pesticides - DR59 compounds	Residual Pesticides - 379 compounds	Potency	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/Weins 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: _____ Frag 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 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.  
 12423 NE Whitaker Way  
 Portland, OR 97230  
 A: (503) 254-1794 / Fax: (503) 254-3452  
 info@columbialaboratories.com  
 Page \_\_\_\_\_ of \_\_\_\_\_  
 www.columbialaboratories.com





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**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>				<b>Analysis Requested</b> <input type="checkbox"/> Potency <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Microbial <input type="checkbox"/> Molds & Yeast <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	Microbial	Molds & Yeast Activity	Terpenes	Molds: Yeast and Molds	Molds: E. Coli and Total Coliform	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: <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 version of service associated with the CAC. By signing "Relinquished by" you are agreeing to these terms  
 12423 NE Whitaker Way  
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12423 NE Whitaker Way  
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 503-254-1794

**Report Number:** 23-000690/D004.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 NWlanders 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 regulations with the OLC. By signing "Relinquished by" you are agreeing to these terms.  
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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.



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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: 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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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.