



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



Report Number: 23-012738/D003.R001
Report Date: 11/03/2023
ORELAP#: OR100028
Purchase Order:
Received: 10/26/23 16:11

This is an amended version of report# 23-012738/D003.R000.

Reason: Updated customer information.

Customer: The Hemp Collect
Product identity: HC- Knockout Caramel
Client/Metric ID: 5005SH-102323
Laboratory ID: 23-012738-0002

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.00513		%		THC-Total per Serving Size 41.1 mg/16g
CBD-A	0.00749		%		
CBG	0.00923		%		CBD-Total per Serving Size 1.05 mg/16g
CBN	0.0580		%		
Δ9-THC	0.257		%		(Reported in milligrams per serving)
THCV	0.00446		%		
Analyte per 16g	Result	Limits	Units	Status	
CBC per 16g	0.821		mg/16g		
CBD-A per 16g	1.20		mg/16g		
CBG per 16g	1.48		mg/16g		
CBN per 16g	9.28		mg/16g		
Δ9-THC per 16g	41.1		mg/16g		
THCV per 16g	0.714		mg/16g		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: The Hemp Collect

Product identity: HC- Knockout Caramel
Client/Metric ID: 5005SH-102323
Sample Date:
Laboratory ID: 23-012738-0002
Evidence of Cooling: No
Temp: 17.7 °C
Relinquished by: shipping
Serving Size #1: 16 g



Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2312331	Analyze: 10/27/23 8:39:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.00513		%	0.00320	
CBC-A	< LOQ		%	0.00320	
CBC-Total	< LOQ		%	0.00601	
CBD	< LOQ		%	0.00320	
CBD-A	0.00749		%	0.00320	
CBD-Total	0.00657		%	0.00601	
CBDV	< LOQ		%	0.00320	
CBDV-A	< LOQ		%	0.00320	
CBDV-Total	< LOQ		%	0.00598	
CBE	< LOQ		%	0.00320	
CBG	0.00923		%	0.00320	
CBG-A	< LOQ		%	0.00320	
CBG-Total	0.00923		%	0.00598	
CBL	< LOQ		%	0.00320	
CBL-A	< LOQ		%	0.00320	
CBL-Total	< LOQ		%	0.00601	
CBN	0.0580		%	0.00320	
CBT	< LOQ		%	0.00320	
Δ8-THCV	< LOQ		%	0.00320	
Δ10-THC-9R	< LOQ		%	0.00320	
Δ10-THC-9S	< LOQ		%	0.00320	
Δ10-THC-Total	< LOQ		%	0.00641	
Δ8-THC	< LOQ		%	0.00320	
Δ9-THC	0.257		%	0.00320	
delta-9-THCP	< LOQ		%	0.00320	
exo-THC	< LOQ		%	0.00320	
THC-A	< LOQ		%	0.00320	
THC-Total	0.257		%	0.00601	
THCV	0.00446		%	0.00320	
THCV-A	< LOQ		%	0.00320	



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Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2312331	Analyze: 10/27/23 8:39:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
THCV-Total	< LOQ		%	0.00598	
Total Cannabinoids	0.341		%		

Potency per 16g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2312331	Analyze: 10/27/23 8:39:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 16g	0.821		mg/16g	0.512	
CBC-A per 16g	< LOQ		mg/16g	0.512	
CBC-Total per 16g	< LOQ		mg/16g	0.962	
CBD per 16g	< LOQ		mg/16g	0.512	
CBD-A per 16g	1.20		mg/16g	0.512	
CBD-Total per 16g	1.05		mg/16g	0.962	
CBDV per 16g	< LOQ		mg/16g	0.512	
CBDV-A per 16g	< LOQ		mg/16g	0.512	
CBDV-Total per 16g	< LOQ		mg/16g	0.957	
CBE per 16g	< LOQ		mg/16g	0.512	
CBG per 16g	1.48		mg/16g	0.512	
CBG-A per 16g	< LOQ		mg/16g	0.512	
CBG-Total per 16g	1.48		mg/16g	0.957	
CBL per 16g	< LOQ		mg/16g	0.512	
CBL-A per 16g	< LOQ		mg/16g	0.512	
CBL-Total per 16g	< LOQ		mg/16g	0.962	
CBN per 16g	9.28		mg/16g	0.512	
CBT per 16g	< LOQ		mg/16g	0.512	
Δ8-THCV per 16g	< LOQ		mg/16g	0.512	
Δ10-THC-9R per 16g	< LOQ		mg/16g	0.512	
Δ10-THC-9S per 16g	< LOQ		mg/16g	0.512	
Δ10-THC-Total per 16g	< LOQ		mg/16g	1.02	
Δ8-THC per 16g	< LOQ		mg/16g	0.512	
Δ9-THC per 16g	41.1		mg/16g	0.512	
delta-9-THCP per 16g	< LOQ		mg/16g	0.512	
exo-THC per 16g	< LOQ		mg/16g	0.512	
THC-A per 16g	< LOQ		mg/16g	0.512	
THC-Total per 16g	41.1		mg/16g	0.962	
THCV per 16g	0.714		mg/16g	0.512	
THCV-A per 16g	< LOQ		mg/16g	0.512	
THCV-Total per 16g	< LOQ		mg/16g	0.962	
Total Cannabinoids per 16g	54.6		mg/16g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2312242	10/29/23 AOAC 991.14 (Petrifilm) ^P		
Total Coliforms	< LOQ		cfu/g	10	2312242	10/29/23 AOAC 991.14 (Petrifilm) ^P		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2312243	10/29/23 AOAC 2014.05 (RAPID) ^P		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2312243	10/29/23 AOAC 2014.05 (RAPID) ^P		



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Solvents											Method: Residual Solvents by GC/MS ^b					Units µg/g		Batch 2312363		Analyze 10/31/23 01:12 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes													
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass														
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200															
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass														
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200															
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0															
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass														
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass														
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass														
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass														
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass														
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass														
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200															
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass														
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200															
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0															
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200															
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass														
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass														
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass														



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2312316 Analyze 10/30/23 01:04 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [‡]	< LOQ	0.50	0.250	pass		Acephate [‡]	< LOQ	0.40	0.200	pass	
Acequinocyl [‡]	< LOQ	2.0	1.00	pass		Acetamiprid [‡]	< LOQ	0.20	0.100	pass	
Aldicarb [‡]	< LOQ	0.40	0.200	pass		Azoxystrobin [‡]	< LOQ	0.20	0.100	pass	
Bifenazate [‡]	< LOQ	0.20	0.100	pass		Bifenthrin [‡]	< LOQ	0.20	0.100	pass	
Boscalid [‡]	< LOQ	0.40	0.200	pass		Carbaryl [‡]	< LOQ	0.20	0.100	pass	
Carbofuran [‡]	< LOQ	0.20	0.100	pass		Chlorantraniliprole [‡]	< LOQ	0.20	0.100	pass	
Chlorfenapyr [‡]	< LOQ	1.0	0.500	pass		Chlorpyrifos [‡]	< LOQ	0.20	0.100	pass	
Clofentezine [‡]	< LOQ	0.20	0.100	pass		Cyfluthrin [‡]	< LOQ	1.0	0.500	pass	
Cypermethrin [‡]	< LOQ	1.0	0.500	pass		Cypermethrin [‡]	< LOQ	1.0	0.500	pass	
Daminozide [‡]	< LOQ	1.0	0.500	pass		Diazinon [‡]	< LOQ	0.20	0.100	pass	
Dichlorvos [‡]	< LOQ	1.0	0.500	pass		Dimethoate [‡]	< LOQ	0.20	0.100	pass	
Ethoprophos [‡]	< LOQ	0.20	0.100	pass		Etofenprox [‡]	< LOQ	0.40	0.200	pass	
Etoxazole [‡]	< LOQ	0.20	0.100	pass		Fenoxycarb [‡]	< LOQ	0.20	0.100	pass	
Fenpyroximate [‡]	< LOQ	0.40	0.200	pass		Fipronil [‡]	< LOQ	0.40	0.200	pass	
Flonicamid [‡]	< LOQ	1.0	0.400	pass		Fludioxonil [‡]	< LOQ	0.40	0.200	pass	
Hexythiazox [‡]	< LOQ	1.0	0.400	pass		Imazalil [‡]	< LOQ	0.20	0.100	pass	
Imidacloprid [‡]	< LOQ	0.40	0.200	pass		Kresoxim-methyl [‡]	< LOQ	0.40	0.200	pass	
Malathion [‡]	< LOQ	0.20	0.100	pass		Metalaxyl [‡]	< LOQ	0.20	0.100	pass	
Methiocarb [‡]	< LOQ	0.20	0.100	pass		Methomyl [‡]	< LOQ	0.40	0.200	pass	
MGK-264 [‡]	< LOQ	0.20	0.100	pass		Myclobutanil [‡]	< LOQ	0.20	0.100	pass	
Naled [‡]	< LOQ	0.50	0.250	pass		Oxamy [‡]	< LOQ	1.0	0.500	pass	
Paclobotrazole [‡]	< LOQ	0.40	0.200	pass		Parathion-Methyl [‡]	< LOQ	0.20	0.100	pass	
Permethrin [‡]	< LOQ	0.20	0.100	pass		Phosmet [‡]	< LOQ	0.20	0.100	pass	
Piperonyl butoxide [‡]	< LOQ	2.0	1.00	pass		Prallethrin [‡]	< LOQ	0.20	0.100	pass	
Propiconazole [‡]	< LOQ	0.40	0.200	pass		Propoxur [‡]	< LOQ	0.20	0.100	pass	
Pyrethrin I (total) [‡]	< LOQ	1.0	0.500	pass		Pyridaben [‡]	< LOQ	0.20	0.100	pass	
Spinosad [‡]	< LOQ	0.20	0.100	pass		Spiromesifen [‡]	< LOQ	0.20	0.100	pass	
Spirotetramat [‡]	< LOQ	0.20	0.100	pass		Spiroxamine [‡]	< LOQ	0.40	0.200	pass	
Tebuconazole [‡]	< LOQ	0.40	0.200	pass		Thiacloprid [‡]	< LOQ	0.20	0.100	pass	
Thiamethoxam [‡]	< LOQ	0.20	0.100	pass		Trifloxystrobin [‡]	< LOQ	0.20	0.100	pass	

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes		
Arsenic [‡]	< LOQ	0.200	mg/kg	0.0199	2312326	10/30/23 AOAC 2013.06 (mod.) ^b	pass			
Cadmium [‡]	< LOQ	0.200	mg/kg	0.0199	2312326	10/30/23 AOAC 2013.06 (mod.) ^b	pass			
Lead [‡]	< LOQ	0.500	mg/kg	0.0199	2312326	10/30/23 AOAC 2013.06 (mod.) ^b	pass			
Mercury [‡]	< LOQ	0.100	mg/kg	0.00995	2312326	10/30/23 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.

[¥] = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = g

µg/g = Microgram per gram

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

mg/16g = Milligram per 16g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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Revision: 3 Document ID: 3120
 LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2312316			
Method Blank	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS % Re	Limits	Notes
Abamectin	0.00	< 0.250		0.751	1.00	75.1	50.0 150	
Acephate	0.06	< 0.200		0.671	0.80	83.9	60.0 120	
Acetamiprid	0.00	< 1.000		3.313	4.00	82.8	40.0 160	
Acetamiprid	0.00	< 0.100		0.353	0.40	88.3	60.0 120	
Aldicarb	0.00	< 0.200		0.684	0.80	85.5	60.0 120	
Azoxystrobin	0.00	< 0.100		0.363	0.40	90.7	60.0 120	
Bifenazate	0.00	< 0.100		0.339	0.40	84.8	60.0 120	
Bifenthrin	0.004	< 0.100		0.318	0.40	79.6	50.0 150	
Boscalid	0.00	< 0.200		0.602	0.80	75.3	60.0 120	
Carbaryl	0.00	< 0.100		0.341	0.40	85.3	60.0 120	
Carbendazim	0.00	< 0.100		0.342	0.40	85.5	60.0 120	
Chlorantraniliprole	0.00	< 0.100		0.318	0.40	79.4	60.0 120	
Chlorfenapyr	0.00	< 0.500		1.902	2.00	95.1	60.0 120	
Chlorpyrifos	0.00	< 0.100		0.359	0.40	89.7	60.0 120	
Clofentezine	0.00	< 0.100		0.273	0.40	68.1	60.0 120	
Cyfluthrin	0.00	< 0.500		1.578	2.00	78.9	50.0 150	
Cypermethrin	0.00	< 0.500		1.668	2.00	83.4	50.0 150	
Daminozide	0.013	< 0.500		0.604	2.00	30.2	60.0 120	Q7
Diazinon	0.00	< 0.100		0.335	0.40	83.6	60.0 120	
Dichlorvos	0.00	< 0.500		1.720	2.00	86.0	60.0 120	
Dimethoate	0.00	< 0.100		0.330	0.40	82.6	60.0 120	
Ethiofencarb	0.00	< 0.100		0.348	0.40	87.1	60.0 120	
Etofenprox	0.00	< 0.200		0.656	0.80	82.0	50.0 150	
Etoxazole	0.005	< 0.100		0.325	0.40	81.2	60.0 120	
Fenoxycarb	0.00	< 0.100		0.331	0.40	82.6	60.0 120	
Fenpyroximate	0.00	< 0.200		0.672	0.80	84.1	60.0 120	
Fipronil	0.00	< 0.200		0.660	0.80	82.5	60.0 120	
Fonicamid	0.00	< 0.250		0.895	1.00	89.5	60.0 120	
Fludioxonil	0.00	< 0.200		0.736	0.80	92.0	50.0 150	
Hexythiazox	0.00	< 0.250		0.844	1.00	84.4	60.0 120	
Imazalil	0.00	< 0.100		0.359	0.40	89.7	60.0 120	
Imidacloprid	0.00	< 0.200		0.667	0.80	83.3	60.0 120	
Kiesoxim-methyl	0.00	< 0.200		0.663	0.80	82.8	60.0 120	
Malathion	0.00	< 0.100		0.318	0.40	79.6	60.0 120	
Metaxyl	0.00	< 0.100		0.321	0.40	80.3	60.0 120	
Methiocarb	0.004	< 0.100		0.321	0.40	80.3	60.0 120	
Methomyl	0.00	< 0.200		0.625	0.80	78.2	60.0 120	
MCK-264	0.00	< 0.100		0.318	0.40	79.4	50.0 150	
Mydobutanol	0.00	< 0.100		0.354	0.40	88.4	60.0 120	
Naled	0.00	< 0.250		0.853	1.00	85.3	50.0 150	
Oxamyl	0.00	< 0.500		1.719	2.00	85.9	60.0 120	
Padobutrazole	0.00	< 0.200		0.658	0.80	82.2	60.0 120	
Parathion-Methyl	0.00	< 0.100		0.313	0.40	78.2	50.0 150	
Permethrin	0.00	< 0.100		0.335	0.40	83.9	50.0 150	
Phosmet	0.00	< 0.100		0.333	0.40	83.2	50.0 150	
Piperonyl butoxide	0.035	< 0.500		1.585	2.00	79.3	60.0 120	
Prallethrin	0.008	< 0.100		0.319	0.40	79.7	60.0 120	
Propiconazole	0.00	< 0.200		0.662	0.80	82.7	60.0 120	
Propoxur	0.00	< 0.100		0.357	0.40	89.2	60.0 120	
Pyrethrin (Summe)	0.007	< 0.100		0.398	0.48	81.5	60.0 120	
Pyridaben	0.00	< 0.100		0.328	0.40	82.1	50.0 150	
Spirosad	0.00	< 0.100		0.380	0.38	97.9	50.0 150	
Spiromesfen	0.00	< 0.100		0.368	0.40	91.9	60.0 120	
Spirotetramat	0.00	< 0.100		0.359	0.40	89.7	60.0 120	
Spiroxamine	0.00	< 0.200		0.658	0.80	82.3	60.0 120	
Tebuconazole	0.00	< 0.200		0.683	0.80	85.4	60.0 120	
Thiadoprid	0.00	< 0.100		0.343	0.40	85.6	60.0 120	
Thiamethoxam	0.00	< 0.100		0.365	0.40	91.2	60.0 120	
Trifloxystrobin	0.00	< 0.100		0.328	0.40	82.1	60.0 120	



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LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg				Batch ID 2312316				
Matrix Spke/Matrix Spke Duplicate Recoveries	Result	MS Res	MSD Res	Spike	RFD%	Limit	MS% Re	MSD% Re	Limits	Notes
Abamectin	0.00	0.597	0.573	1.00	4.1%	< 30	59.7%	57.3%	50 - 150	
Acephate	0.00	0.682	0.739	0.80	8.0%	< 30	85.2%	92.3%	50 - 150	
Acetamiprid	0.00	0.363	0.354	0.40	2.4%	< 30	90.8%	88.5%	50 - 150	R, Q
Aldicarb	0.00	0.690	0.617	0.80	11.2%	< 30	86.2%	77.1%	50 - 150	
Azoxystrobin	0.00	0.298	0.281	0.40	6.0%	< 30	74.9%	70.2%	50 - 150	
Bifenazate	0.00	0.318	0.312	0.40	1.9%	< 30	79.0%	77.9%	50 - 150	
Bifenthrin	0.00	0.173	0.161	0.40	7.1%	< 30	43.2%	40.3%	50 - 150	Q
Boscalid	0.00	0.616	0.601	0.80	2.4%	< 30	76.9%	75.1%	50 - 150	
Carbaryl	0.00	0.329	0.313	0.40	5.0%	< 30	82.3%	78.2%	50 - 150	
Carbofuran	0.00	0.318	0.321	0.40	1.1%	< 30	79.4%	80.3%	50 - 150	
Chlorantraniliprole	0.00	0.312	0.257	0.40	19.3%	< 30	78.1%	64.4%	50 - 150	
Chlorfenapyr	0.00	1.566	1.438	2.00	8.5%	< 30	78.3%	71.9%	50 - 150	
Chlorpyrifos	0.00	0.214	0.211	0.40	1.3%	< 30	53.6%	52.9%	50 - 150	
Clofentezine	0.00	0.274	0.259	0.40	5.4%	< 30	68.4%	64.8%	50 - 150	
Cyfluthrin	0.00	1.204	1.055	2.00	13.2%	< 30	60.2%	52.7%	30 - 150	
Cypermethrin	0.00	1.095	1.034	2.00	5.7%	< 30	54.7%	51.7%	50 - 150	
Daminozide	0.00	0.612	0.579	2.00	5.5%	< 30	30.6%	29.0%	30 - 150	Q
Diazinon	0.00	0.290	0.304	0.40	4.9%	< 30	72.5%	76.1%	50 - 150	
Dichlorvos	0.00	1.538	1.480	2.00	3.9%	< 30	76.9%	74.0%	50 - 150	
Dimethoate	0.00	0.335	0.310	0.40	7.8%	< 30	83.7%	77.5%	50 - 150	
Ethionphos	0.00	0.337	0.335	0.40	0.8%	< 30	84.3%	83.7%	50 - 150	
Etofenprox	0.00	0.420	0.405	0.80	3.2%	< 30	52.8%	50.8%	50 - 150	
Etoxazole	0.00	0.274	0.263	0.40	3.9%	< 30	67.2%	64.8%	50 - 150	
Fenoxycarb	0.00	0.302	0.288	0.40	4.7%	< 30	75.4%	71.9%	50 - 150	
Fenpyroximate	0.00	0.583	0.558	0.80	4.4%	< 30	72.9%	69.8%	50 - 150	
Fipronil	0.00	0.471	0.438	0.80	7.1%	< 30	58.8%	54.8%	50 - 150	
Fonicamid	0.00	0.850	0.789	1.00	7.5%	< 30	85.0%	78.9%	50 - 150	
Fludioxonil	0.00	0.767	0.740	0.80	3.6%	< 30	95.8%	92.4%	50 - 150	
Hexythiazox	0.00	0.343	0.338	1.00	1.5%	< 30	34.3%	33.8%	50 - 150	Q
Imazalil	0.00	0.329	0.324	0.40	1.4%	< 30	82.2%	81.0%	50 - 150	
Imidacloprid	0.00	0.621	0.577	0.80	7.4%	< 30	77.6%	72.1%	50 - 150	
Kiesoxim-methyl	0.00	0.598	0.563	0.80	6.0%	< 30	74.7%	70.4%	50 - 150	
Malathion	0.00	0.295	0.288	0.40	2.5%	< 30	72.8%	71.0%	50 - 150	
Metaxyl	0.00	0.304	0.287	0.40	5.8%	< 30	76.0%	71.7%	50 - 150	
Methiocarb	0.00	0.297	0.284	0.40	4.8%	< 30	73.4%	70.0%	50 - 150	
Methomyl	0.00	0.659	0.677	0.80	2.7%	< 30	82.3%	84.6%	50 - 150	
MCK-264	0.00	0.289	0.257	0.40	4.8%	< 30	67.4%	64.2%	50 - 150	
Mydobutani	0.00	0.305	0.292	0.40	4.5%	< 30	76.2%	72.9%	50 - 150	
Naled	0.00	0.740	0.727	1.00	1.8%	< 30	74.0%	72.7%	50 - 150	
Oxaryl	0.00	1.710	1.651	2.00	3.5%	< 30	85.5%	82.5%	50 - 150	
Padobutrazole	0.00	0.613	0.569	0.80	7.4%	< 30	76.7%	71.2%	50 - 150	
Parathion-Methyl	0.00	0.290	0.273	0.40	6.3%	< 30	72.5%	68.1%	30 - 150	
Permethrin	0.00	0.270	0.252	0.40	7.2%	< 30	67.6%	62.9%	50 - 150	
Phosmet	0.00	0.301	0.294	0.40	2.3%	< 30	75.1%	73.5%	50 - 150	
Piperonyl butoxide	0.035	1.388	1.325	2.00	4.7%	< 30	67.7%	64.6%	50 - 150	
Prallethrin	0.00	0.186	0.176	0.40	5.8%	< 30	44.5%	42.1%	50 - 150	Q
Propiconazole	0.00	0.576	0.552	0.80	4.3%	< 30	72.0%	69.0%	50 - 150	
Propoxur	0.00	0.344	0.324	0.40	5.7%	< 30	85.5%	81.1%	50 - 150	
Pyrethrin (Summe)	0.011	0.378	0.373	0.488	1.6%	< 30	75.3%	74.1%	50 - 150	
Pyridaben	0.00	0.155	0.151	0.40	3.6%	< 30	39.1%	37.7%	50 - 150	Q
Spinosad	0.00	0.291	0.269	0.388	7.8%	< 30	75.1%	69.4%	50 - 150	
Spiromesfen	0.00	0.305	0.297	0.40	2.6%	< 30	76.3%	74.4%	50 - 150	
Spirotetramat	0.00	0.368	0.351	0.40	4.8%	< 30	92.1%	87.8%	50 - 150	
Spiroxamine	0.00	0.646	0.604	0.80	6.7%	< 30	80.7%	75.4%	50 - 150	
Tebuconazole	0.00	0.616	0.603	0.80	2.1%	< 30	77.0%	75.4%	50 - 150	
Thiadoprid	0.00	0.325	0.311	0.40	4.2%	< 30	81.2%	77.9%	50 - 150	
Thiamethoxam	0.00	0.344	0.328	0.40	4.9%	< 30	86.0%	81.9%	50 - 150	
Trifloxystrobin	0.00	0.286	0.267	0.40	7.1%	< 30	71.8%	66.7%	50 - 150	



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Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 2312331

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	2	0.0326	0.0323	%	101	80.0	- 120	Acceptable	
CBDV	2	0.0337	0.0337	%	100.0	80.0	- 120	Acceptable	
CBE	2	0.0362	0.0358	%	101	80.0	- 120	Acceptable	
CBD	1	0.0329	0.0322	%	102	90.0	- 110	Acceptable	
CBD	1	0.0329	0.0329	%	99.9	80.0	- 120	Acceptable	
CBD	1	0.0367	0.0368	%	99.7	80.0	- 120	Acceptable	
CBD	1	0.0333	0.0313	%	106	90.0	- 110	Acceptable	
THCV	2	0.0340	0.0345	%	98.6	80.0	- 120	Acceptable	
Δ8THCV	2	0.0293	0.0283	%	104	80.0	- 120	Acceptable	
THCV/A	2	0.0312	0.0312	%	100	80.0	- 120	Acceptable	
CBN	1	0.0327	0.0329	%	99.6	80.0	- 120	Acceptable	
exo-THC	2	0.0314	0.0315	%	99.9	80.0	- 120	Acceptable	
Δ9THC	1	0.0364	0.0365	%	99.6	90.0	- 110	Acceptable	
Δ8THC	1	0.0336	0.0340	%	98.7	90.0	- 110	Acceptable	
9SΔ10THC	1	0.0339	0.0337	%	101	80.0	- 120	Acceptable	
CBL	2	0.0332	0.0332	%	100	80.0	- 120	Acceptable	
9RΔ10THC	1	0.0332	0.0336	%	98.9	80.0	- 120	Acceptable	
CBC	2	0.0338	0.0342	%	98.7	80.0	- 120	Acceptable	
THCA	1	0.0339	0.0337	%	101	90.0	- 110	Acceptable	
CBCA	2	0.0337	0.0338	%	99.7	80.0	- 120	Acceptable	
CBLA	2	0.0345	0.0342	%	101	80.0	- 120	Acceptable	
Δ9THCP	2	0.0329	0.0334	%	98.5	80.0	- 120	Acceptable	
CBT	2	0.0332	0.0343	%	96.7	80.0	- 120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBDV	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBE	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBD	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBD	<LOQ	0.00313	%	< 0.00313	Acceptable	
THCV	<LOQ	0.00313	%	< 0.00313	Acceptable	
Δ8THCV	<LOQ	0.00313	%	< 0.00313	Acceptable	
THCV/A	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBN	<LOQ	0.00313	%	< 0.00313	Acceptable	
exo-THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
Δ9THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
Δ8THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
9SΔ10THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBL	<LOQ	0.00313	%	< 0.00313	Acceptable	
9RΔ10THC	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBC	<LOQ	0.00313	%	< 0.00313	Acceptable	
THCA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBCA	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBLA	<LOQ	0.00313	%	< 0.00313	Acceptable	
Δ9THCP	<LOQ	0.00313	%	< 0.00313	Acceptable	
CBT	<LOQ	0.00313	%	< 0.00313	Acceptable	

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

Units of Measure:
 %- Percent



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Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2312331						
Sample Duplicate		Sample ID: 23-012696-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBD ^A	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBC	0.00374	0.00377	0.00308	%	0.832	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
Δ8THCV	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
THCV/A	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBN	0.00592	0.00583	0.00308	%	1.56	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
Δ9THC	0.253	0.252	0.00308	%	0.448	< 20	Acceptable	
Δ8THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
9S-Δ10THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
9R-Δ10THC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
Δ9THCP	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00308	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

%- Percent



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Laboratory Quality Control Results

Residual Solvents				Batch ID: 2312363					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		526	584	µg/g	90.1	60 - 120	
Isobutane	ND	< 200		752	767	µg/g	98.0	60 - 120	
Butane	ND	< 200		711	782	µg/g	90.9	60 - 120	
2,2-Dimethylpropane	ND	< 200		948	939	µg/g	101.0	60 - 120	
Methanol	ND	< 200		1780	1670	µg/g	106.6	60 - 120	
Ethylene Oxide	ND	< 30		58.5	57.1	µg/g	102.5	60 - 120	
2-Methylbutane	ND	< 200		1630	1680	µg/g	97.0	60 - 120	
Pentane	ND	< 200		1630	1670	µg/g	97.6	60 - 120	
Ethanol	ND	< 200		1770	1660	µg/g	106.6	70 - 130	
Ethyl Ether	ND	< 200		1660	1670	µg/g	99.4	60 - 120	
2,2-Dimethylbutane	ND	< 30		188	189	µg/g	99.5	60 - 120	
Acetone	ND	< 200		1710	1670	µg/g	102.4	60 - 120	
2-Propanol	ND	< 200		1650	1630	µg/g	101.2	60 - 120	
Ethyl Formate	ND	< 500		1400	1600	µg/g	87.5	70 - 130	
Acetonitrile	ND	< 100		500	492	µg/g	101.6	60 - 120	
Methyl Acetate	ND	< 500		1500	1600	µg/g	93.8	70 - 130	
2,3-Dimethylbutane	ND	< 30		189	180	µg/g	105.0	60 - 120	
Dichloromethane	ND	< 60		501	488	µg/g	102.7	60 - 120	
2-Methylpentane	ND	< 30		164	182	µg/g	90.1	60 - 120	
MTBE	ND	< 500		1530	1610	µg/g	95.0	70 - 130	
3-Methylpentane	ND	< 30		179	177	µg/g	101.1	60 - 120	
Hexane	ND	< 30		173	177	µg/g	97.7	60 - 120	
1-Propanol	ND	< 500		1520	1600	µg/g	95.0	70 - 130	
Methylethylketone	ND	< 500		1490	1610	µg/g	92.5	70 - 130	
Ethyl acetate	ND	< 200		1650	1630	µg/g	101.2	60 - 120	
2-Butanol	ND	< 200		1680	1630	µg/g	103.1	60 - 120	
Tetrahydrofuran	ND	< 100		508	488	µg/g	103.7	60 - 120	
Cyclohexane	ND	< 200		1620	1610	µg/g	100.6	60 - 120	
2-methyl-1-propanol	ND	< 500		1610	1610	µg/g	100.0	70 - 130	
Benzene	ND	< 1		5.1	4.79	µg/g	106.5	60 - 120	
Isopropyl Acetate	ND	< 200		1660	1650	µg/g	100.6	60 - 120	
Heptane	ND	< 200		1600	1630	µg/g	98.2	60 - 120	
1-Butanol	ND	< 500		1650	1600	µg/g	103.1	70 - 130	
Propyl Acetate	ND	< 500		1490	1600	µg/g	93.1	70 - 130	
1,4-Dioxane	ND	< 100		567	523	µg/g	108.4	60 - 120	
2-Ethoxyethanol	ND	< 30		179	179	µg/g	100.0	60 - 120	
Methylisobutylketone	ND	< 500		1740	1600	µg/g	108.8	70 - 130	
3-Methyl-1-butanol	ND	< 500		1440	1600	µg/g	90.0	70 - 130	
Ethylene Glycol	ND	< 200		447	508	µg/g	88.3	60 - 120	
Toluene	ND	< 100		511	496	µg/g	103.0	60 - 120	
Isobutyl Acetate	ND	< 500		1500	1610	µg/g	93.2	70 - 130	
1-Pentanol	ND	< 500		1410	1600	µg/g	88.1	70 - 130	
Butyl Acetate	ND	< 500		1500	1610	µg/g	93.2	70 - 130	
Ethylbenzene	ND	< 200		943	978	µg/g	96.4	60 - 120	
m,p-Xylene	ND	< 200		954	994	µg/g	96.0	60 - 120	
o-Xylene	ND	< 200		980	982	µg/g	99.8	60 - 120	
Cumene	ND	< 30		160	171	µg/g	93.6	60 - 120	
Anisole	ND	< 500		1590	1600	µg/g	99.4	70 - 130	
DMSO	ND	< 500		1670	1620	µg/g	103.1	70 - 130	
1,2-dimethoxyethane	ND	< 50		170	186	µg/g	91.4	70 - 130	
Triethylamine	ND	< 500		1540	1600	µg/g	96.3	70 - 130	
N,N-dimethylformamide	ND	< 150		489	480	µg/g	101.0	70 - 130	
N,N-dimethylacetamide	ND	< 150		489	483	µg/g	101.2	70 - 130	
Pyridine	ND	< 50		155	168	µg/g	92.3	70 - 130	
Silolane	ND	< 50		117	161	µg/g	72.7	70 - 130	
1,2-Dichloroethane	ND	< 1		0.936	1	µg/g	93.5	70 - 130	
Chloroform	ND	< 1		0.936	1	µg/g	93.6	70 - 130	
Trichloroethylene	ND	< 1		1.04	1	µg/g	104.0	70 - 130	
1,1-Dichloroethane	ND	< 1		1.01	1	µg/g	101.0	70 - 130	



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QC - Sample Duplicate Sample ID: 23-012543-0001

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

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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



Report Number: 23-012738/D003.R001
Report Date: 11/03/2023
ORELAP#: OR100028
Purchase Order:
Received: 10/26/23 16:11





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



Report Number: 23-012738/D003.R001
Report Date: 11/03/2023
ORELAP#: OR100028
Purchase Order:
Received: 10/26/23 16:11

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.

Naturally Derived Hemp Delta 9 Distillate

 Sample ID: SA-230901-26627
 Batch: 09DST226
 Type: In-Process Material
 Matrix: Concentrate - Distillate
 Unit Mass (g):

 Received: 09/06/2023
 Completed: 09/12/2023

Client
 The Hemp Collect
 431 NW Flanders St., Ste. 202
 Portland, OR 97209
 USA


Summary

Test	Date Tested	Status
Cannabinoids	09/12/2023	Tested
Foreign Matter	09/06/2023	Tested
Heavy Metals	09/08/2023	Tested
Microbials	09/08/2023	Tested
Mycotoxins	09/11/2023	Tested
Pesticides	09/11/2023	Tested
Residual Solvents	09/11/2023	Tested

82.7 % Total Δ9-THC	82.7 % Δ9-THC	89.4 % Total Cannabinoids	Not Tested Moisture Content	Not Detected Foreign Matter	Yes Internal Standard Normalization
-------------------------------	-------------------------	-------------------------------------	---------------------------------------	---------------------------------------	---

Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	1.40	14.0
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	0.280	2.80
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	3.46	34.6
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	0.126	1.26
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	0.816	8.16
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	0.132	1.32
Δ8-THC	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	82.7	827
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	0.467	4.67
Δ9-THCVA	0.0062	0.0186	ND	ND
Total Δ9-THC			82.7	827
Total			89.4	894

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;



 Generated By: Ryan Bellone
 CCO
 Date: 09/12/2023



 Tested By: Nicholas Howard
 Scientist
 Date: 09/12/2023


Naturally Derived Hemp Delta 9 Distillate

Sample ID: SA-230901-26627
 Batch: 09DST226
 Type: In-Process Material
 Matrix: Concentrate - Distillate
 Unit Mass (g):

Received: 09/06/2023
 Completed: 09/12/2023

Client
 The Hemp Collect
 431 NW Flanders St., Ste. 202
 Portland, OR 97209
 USA

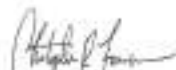
Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	<LOQ
Mercury	12	50	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone
 CCO
 Date: 09/12/2023



Tested By: Chris Farman
 Scientist
 Date: 09/08/2023



Naturally Derived Hemp Delta 9 Distillate

 Sample ID: SA-230901-26627
 Batch: 09DST226
 Type: In-Process Material
 Matrix: Concentrate - Distillate
 Unit Mass (g):

 Received: 09/06/2023
 Completed: 09/12/2023

Client
 The Hemp Collect
 431 NW Flanders St., Ste. 202
 Portland, OR 97209
 USA

Pesticides by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Acephate	30	100	ND	Hexythiazox	30	100	ND
Acetamiprid	30	100	ND	Imazalil	30	100	ND
Aldicarb	30	100	ND	Imidacloprid	30	100	ND
Azoxystrobin	30	100	ND	Kresoxim methyl	30	100	ND
Bifenazate	30	100	ND	Malathion	30	100	ND
Bifenthrin	30	100	428	Metalaxyl	30	100	ND
Boscalid	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Methomyl	30	100	ND
Carbofuran	30	100	ND	Mevinphos	30	100	ND
Chloranthraniliprole	30	100	ND	Myclobutanil	30	100	ND
Chlorfenapyr	30	100	ND	Naled	30	100	ND
Chlorpyrifos	30	100	ND	Oxamyl	30	100	ND
Clofentezine	30	100	ND	Pacllobutrazol	30	100	ND
Coumaphos	30	100	ND	Permethrin	30	100	ND
Daminozide	30	100	ND	Phosmet	30	100	ND
Diazinon	30	100	ND	Piperonyl Butoxide	30	100	ND
Dichlorvos	30	100	ND	Prallethrin	30	100	ND
Dimethoate	30	100	ND	Propiconazole	30	100	<LOQ
Dimethomorph	30	100	ND	Propoxur	30	100	ND
Ethoprophos	30	100	ND	Pyrethrins	30	100	ND
Etofenprox	30	100	ND	Pyridaben	30	100	ND
Etoxazole	30	100	ND	Spinetoram	30	100	ND
Fenhexamid	30	100	ND	Spinosad	30	100	ND
Fenoxycarb	30	100	ND	Spiromesifen	30	100	ND
Fenpyroximate	30	100	ND	Spirotetramat	30	100	ND
Fipronil	30	100	ND	Spiroxamine	30	100	ND
Fonicamid	30	100	ND	Tebuconazole	30	100	ND
Fludioxonil	30	100	ND	Thiacloprid	30	100	ND
				Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



 Generated By: Ryan Bellone
 CCO
 Date: 09/12/2023



 Tested By: Jasper van Heemst
 Principal Scientist
 Date: 09/11/2023


Naturally Derived Hemp Delta 9 Distillate

 Sample ID: SA-230901-26627
 Batch: 09DST226
 Type: In-Process Material
 Matrix: Concentrate - Distillate
 Unit Mass (g):

 Received: 09/06/2023
 Completed: 09/12/2023

Client
 The Hemp Collect
 431 NW Flanders St., Ste. 202
 Portland, OR 97209
 USA

Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



 Generated By: Ryan Bellone
 CCO
 Date: 09/12/2023



 Tested By: Jasper van Heemst
 Principal Scientist
 Date: 09/11/2023


Naturally Derived Hemp Delta 9 Distillate

Sample ID: SA-230901-26627
 Batch: 09DST226
 Type: In-Process Material
 Matrix: Concentrate - Distillate
 Unit Mass (g):

Received: 09/06/2023
 Completed: 09/12/2023

Client
 The Hemp Collect
 431 NW Flanders St., Ste. 202
 Portland, OR 97209
 USA

Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	1	ND	
Total coliforms	1	ND	
Generic E. coli	1	ND	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone
 CCO
 Date: 09/12/2023



Tested By: Addison Riel
 Laboratory Technician
 Date: 09/08/2023



Naturally Derived Hemp Delta 9 Distillate

 Sample ID: SA-230901-26627
 Batch: 09DST226
 Type: In-Process Material
 Matrix: Concentrate - Distillate
 Unit Mass (g):

 Received: 09/06/2023
 Completed: 09/12/2023

Client
 The Hemp Collect
 431 NW Flanders St., Ste. 202
 Portland, OR 97209
 USA

Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Glycol	21	62	ND
Acetonitrile	14	41	ND	Ethylene Oxide	0.5	1	ND
Benzene	0.5	1	ND	Heptane	167	500	ND
Butane	167	500	ND	n-Hexane	10	29	ND
1-Butanol	167	500	ND	Isobutane	167	500	ND
2-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanone	167	500	ND	Isopropyl Alcohol	167	500	ND
Chloroform	2	6	ND	Isopropylbenzene	167	500	ND
Cyclohexane	129	388	ND	Methanol	100	300	ND
1,2-Dichloroethane	0.5	1	ND	2-Methylbutane	10	29	ND
1,2-Dimethoxyethane	4	10	ND	Methylene Chloride	20	60	ND
Dimethyl Sulfoxide	167	500	ND	2-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	3-Methylpentane	10	29	ND
2,2-Dimethylbutane	10	29	ND	n-Pentane	167	500	ND
2,3-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



 Generated By: Ryan Bellone
 CCO
 Date: 09/12/2023



 Tested By: Scott Caudill
 Laboratory Manager
 Date: 09/11/2023




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



Report Number: 23-000690/D003.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Customer: IHC LLC
Product identity: 01LIR209_PK
Client/Metric ID: .
Laboratory ID: 23-000690-0016

Summary

Potency:

Analyte	Result (%)		
CBD-A	57.7		CBD-Total 51.4%
CBDV-A	3.55		THC-Total 2.74%
THC-A	2.93		(Reported in percent of total sample)
CBC-A	2.87		
CBG-A	1.12		
THCV-A	0.833		
CBD	0.824		
Δ9-THC	0.174		
CBG	0.0850		

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
Butanes (sum)	1430	5000	pass
n-Butane	1430		

Pesticides:

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

Metals:

Less than LOQ for all analytes.



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



Report Number: 23-000690/D003.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_PK
Client/Metric ID: .
Sample Date:
Laboratory ID: 23-000690-0016
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 8:39:00 AM
Analyte	As Received	Dry weight	LOQ	Notes	
CBC	< LOQ		0.0739		
CBC-A	2.87		0.0739		
CBC-Total	2.52		0.139		
CBD	0.824		0.0739		
CBD-A	57.7		0.739		
CBD-Total	51.4		0.722		
CBDV	< LOQ		0.0739		
CBDV-A	3.55		0.0739		
CBDV-Total	3.08		0.138		
CBE	< LOQ		0.0739		
CBG	0.0850		0.0739		
CBG-A	1.12		0.0739		
CBG-Total	1.07		0.138		
CBL	< LOQ		0.0739		
CBL-A	< LOQ		0.0739		
CBL-Total	< LOQ		0.139		
CBN	< LOQ		0.0739		
CBT	< LOQ		0.0739		
Δ10-THC-9R	< LOQ		0.0739		
Δ8-THC	< LOQ		0.0739		
Δ8-THCV	< LOQ		0.0739		
Δ9-THC	0.174		0.0739		
exo-THC	< LOQ		0.0739		
THC-A	2.93		0.0739		
THC-Total	2.74		0.139		
THCV	< LOQ		0.0739		
THCV-A	0.833		0.0739		
THCV-Total	0.731		0.138		
Total Cannabinoids	70.1				





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



Report Number: 23-000690/D003.R000
Report Date: 01/24/2023
ORELAP#: OR100028
Purchase Order:
Received: 01/17/23 14:16

Solvents											
Method: Residual Solvents by GC/MS ^b						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)	1430	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	1430		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 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	0.0942	2300594	01/18/23 AOAC 2013.06 (mod.) ^b	pass		
Cadmium	< LOQ	0.200	mg/kg	0.0942	2300594	01/18/23 AOAC 2013.06 (mod.) ^b	pass		
Lead	< LOQ	0.500	mg/kg	0.0942	2300724	01/23/23 AOAC 2013.06 (mod.) ^b	pass		
Mercury	< LOQ	0.100	mg/kg	0.0471	2300594	01/18/23 AOAC 2013.06 (mod.) ^b	pass		



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



Report Number: 23-000690/D003.R000
Report Date: 01/24/2023
ORELAP#: OR100028
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.

^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/D003.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
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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 Portland, OR 97230
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Report Number: 23-000690/D003.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)



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Portland, OR 97230
503-254-1794

Report Number: 23-00690/D003.R000
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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 Herbicides - DR59 compounds Pesticide Residue - 375 compounds Potency Residual Solvents Moisture & Water Activity Terpene Micro, Yeast and Mold Micro, Col and Total Counts 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	Herbicides - DR59 compounds	Pesticide Residue - 375 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpene	Micro, Yeast and Mold	Micro, Col and Total Counts	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 (°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: _____ Freight 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.

12423 NE Whitaker Way
Portland, OR 97230

A: (503) 254-1794 / Fax: (503) 254-3452
lab@columbialaboratories.com

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

Report Number: 23-000690/D003.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"/> 608164 <input type="checkbox"/> P# Results: () Billing (if different): <u>joel@thehempcollect.com</u>				Analysis Requested <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: <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)

Small print text at the bottom of the form, including contact information and disclaimer.



12423 NE Whitaker Way
 Portland, OR 97230
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Report Number: 23-000690/D003.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>(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	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"/> Cask <input type="checkbox"/> Check <input type="checkbox"/> CC <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.
 12423 NE Whitaker Way | Portland, OR 97230 | P: (503) 254-1794 | Fax: (503) 254-1452 | info@columbialaboratories.com | Page _____ of _____
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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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Report Number: 23-000690/D003.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

JAOAC2015 V986 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/D003.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

JAOAC2015 V986		Batch ID: 2300599						
Sample Duplicate	Sample ID: 23-0006900001							
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/D003.R000
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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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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.