



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



Report Number: 22-009177/D003.R000
Report Date: 08/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 08/03/22 12:23

Preliminary Report

Customer: Woodstock Hemp Co.
Product identity: WHC - LIVE RESIN DELTA 8
Client/Metric ID: .
Laboratory ID: 22-009177-0004

Summary

Potency:

Analyte	Result (%)		
Δ8-THC	69.7		
CBD-A	4.95		
CBD	0.472		
Δ8-THCV	0.353		
CBN	0.161		
CBT	0.111		
			CBD-Total 4.81% ----- THC-Total <LOQ ----- (Reported in percent of total sample)

Residual Solvents:

Analysis pending.

Pesticides:

Metals:

Microbiology:



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Preliminary Report

Customer: Woodstock Hemp Co.
Product identity: WHC - LIVE RESIN DELTA 8
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-009177-0004
Evidence of Cooling: No
Temp: 24.9 °C
Relinquished by: Client

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b			Units %	Batch: 2206648	Analyze: 8/5/22 11:05:00 PM		
Analyte	As Received	Dry weight	LOQ	Notes				
CBC	< LOQ		0.0758					
CBC-A	< LOQ		0.0758					
CBC-Total	< LOQ		0.142					
CBD	0.472		0.0758					
CBD-A	4.95		0.0758					
CBD-Total	4.81		0.142					
CBDV	< LOQ		0.0758					
CBDV-A	< LOQ		0.0758					
CBDV-Total	< LOQ		0.142					
CBE	< LOQ		0.0758					
CBG	< LOQ		0.0758					
CBG-A	< LOQ		0.0758					
CBG-Total	< LOQ		0.142					
CBL	< LOQ		0.0758					
CBL-A	< LOQ		0.0758					
CBL-Total	< LOQ		0.142					
CBN	0.161		0.0758					
CBT	0.111		0.0758					
Δ8-THC	69.7		0.758					
Δ8-THCV	0.353		0.0758					
Δ9-THC	< LOQ		0.0758					
exo-THC	< LOQ		0.0758					
THC-A	< LOQ		0.0758					
THC-Total	< LOQ		0.142					
THCV	< LOQ		0.0758					
THCV-A	< LOQ		0.0758					
THCV-Total	< LOQ		0.142					
Total Cannabinoids	75.7							



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2206545	08/06/22 AOAC 991.14 (Petrifilm) ^P		
Total Coliforms	< LOQ		cfu/g	10	2206545	08/06/22 AOAC 991.14 (Petrifilm) ^P		

Solvents

Method: Residual Solvents by GC/MS^b **Analyze** 01/01/70 12:00 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	pending	380	100	pass		2-Butanol	pending	5000	200	pass	
2-Ethoxyethanol	pending	160	30.0	pass		2-Methylbutane (Isopentane)	pending		200		
2-Methylpentane	pending		30.0			2-Propanol (IPA)	pending	5000	200	pass	
2,2-Dimethylbutane	pending		30.0			2,2-Dimethylpropane (neo-pentane)	pending		200		
2,3-Dimethylbutane	pending		30.0			3-Methylpentane	pending		30.0		
Acetone	pending	5000	200	pass		Acetonitrile	pending	410	100	pass	
Benzene	pending	2.00	1.00	pass		Butanes (sum)	pending	5000	400	pass	
Cyclohexane	pending	3880	200	pass		Ethyl acetate	pending	5000	200	pass	
Ethyl benzene	pending		200			Ethyl ether	pending	5000	200	pass	
Ethylene glycol	pending	620	200	pass		Ethylene oxide	pending	50.0	20.0	pass	
Hexanes (sum)	pending	290	150	pass		Isopropyl acetate	pending	5000	200	pass	
Isopropylbenzene (Cumene)	pending	70.0	30.0	pass		m,p-Xylene	pending		200		
Methanol	pending	3000	200	pass		Methylene chloride	pending	600	60.0	pass	
Methylpropane (Isobutane)	pending		200			n-Butane	pending		200		
n-Heptane	pending	5000	200	pass		n-Hexane	pending		30.0		
n-Pentane	pending		200			o-Xylene	pending		200		
Pentanes (sum)	pending	5000	600	pass		Propane	pending	5000	200	pass	
Tetrahydrofuran	pending	720	100	pass		Toluene	pending	890	100	pass	
Total Xylenes	pending		400			Total Xylenes and Ethyl benzene	pending	2170	600	pass	



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2206636 Analyze 08/08/22 08:50 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [¥]	< LOQ	0.50	0.250	pass		Acephate [¥]	< LOQ	0.40	0.250	pass	
Acequinocyl [¥]	< LOQ	2.0	1.00	pass		Acetamidrid [¥]	< 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		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		Fonicamid [¥]	< LOQ	1.0	0.400	pass	
Fludioxonil [¥]	< LOQ	0.40	0.200	pass		Hexythiazox [¥]	< LOQ	1.0	0.400	pass	
Imazali [¥]	< 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	
Oxamyl [¥]	< LOQ	1.0	0.500	pass		Paclobutrazole [¥]	< LOQ	0.40	0.200	pass	
Parathion-Methyl [¥]	< LOQ	0.20	0.200	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	0.200	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	0.0865	2206687	08/08/22 AOAC 2013.06 (mod.) ^b	pass		
Cadmium	< LOQ	0.200	mg/kg	0.0865	2206687	08/08/22 AOAC 2013.06 (mod.) ^b	pass		
Lead	< LOQ	0.500	mg/kg	0.0865	2206687	08/08/22 AOAC 2013.06 (mod.) ^b	pass		
Mercury	< LOQ	0.100	mg/kg	0.0432	2206687	08/08/22 AOAC 2013.06 (mod.) ^b	pass		



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Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B2 [‡]	< LOQ		µg/kg	5.00	2206595	08/05/22 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin B1 [‡]	< LOQ		µg/kg	5.00	2206595	08/05/22 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin G1 [‡]	< LOQ		µg/kg	5.00	2206595	08/05/22 AOAC 2007.01 & EN 15662 (mod) ^P		
Aflatoxin G2 [‡]	< LOQ		µg/kg	5.00	2206595	08/05/22 AOAC 2007.01 & EN 15662 (mod) ^P		
Ochratoxin A [‡]	< LOQ	20.0	µg/kg	5.00	2206595	08/05/22 AOAC 2007.01 & EN 15662 (mod) ^P	pass	
Total Aflatoxins [‡]	0.000	20.0	µg/kg	20.0		08/10/22 AOAC 2007.01 & EN 15662 (mod) ^P	pass	



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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Ⓟ = ISO/IEC 17025:2017 accredited method.

* = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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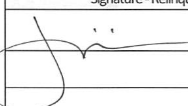
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**Hemp & Cannabis: Usable / Extract / Finished Product
Chain of Custody Record**

Document Control ID: 2832 Revision: 5
Effective: 01/04/2022

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1508

Company: <u>WINDSTYL HEMP COMPANY</u> Contact: <u>JASON</u> Address: _____ City: <u>O.C.</u> State: <u>OR</u> Zip Code: <u>97045</u> Email Results: <u>JASON@WINDSTYLHEMP.COM</u> Ph: (503) - <u>407 4500</u> Billing Contact (if different) Name: _____ Email: _____ Address: _____ City: _____ State: _____ Zip: _____ Ph: () - _____			Analysis Requested P2120-Pesticides OR 59 compounds H0010-Potency (Basic + Extended Profile) H0008-Residual Solvents OR H0030-Terpenes H0013-Heavy Metals (As, Cd, Pb & Hg) M075-Micro: E.coli and Total Coliform M283-Micro: Yeast and Mold H0042-Mycotoxins (Compliance) Other: _____ Other: _____								PO Number: _____ Project ID: _____ Batch ID: _____ Sampled by: _____ Custom Reporting: _____ Source Material: <input checked="" type="checkbox"/> - Ind. Hemp product <input type="checkbox"/> - Rec. Cannabis Reporting Type: <input type="checkbox"/> - Compliance <input checked="" type="checkbox"/> - R&D Report to: <input type="checkbox"/> - METRC <input type="checkbox"/> - ODA <input type="checkbox"/> - USDA <input type="checkbox"/> - Other: Turnaround time (TAT - Business Days): <input type="checkbox"/> - 5BD <input type="checkbox"/> - 3BD* <input type="checkbox"/> - 2BD* *Check for availability				
Lab ID	Client Sample Identification	Sample date	P2120-Pesticides OR 59 compounds	H0010-Potency (Basic + Extended Profile)	H0008-Residual Solvents OR	H0030-Terpenes	H0013-Heavy Metals (As, Cd, Pb & Hg)	M075-Micro: E.coli and Total Coliform	M283-Micro: Yeast and Mold	H0042-Mycotoxins (Compliance)	Other:	Other:	Material Type †	Weight (Units)	Comments/Metric ID
	WHL - NIGHTTIME	7/29		X											
	WHL - SOLARIZE	7/29		X											
	WHL - LIVE RESIN CBD	6/1	X	X	X		X	X		X					
	WHL - LIVE RESIN DELTA8	6/1	X	X	X		X	X		X					
	WHL - LIVE RESIN FULL SPECTRUM	6/1	X	X	X		X	X		X					
Signature - Relinquished By: _____			Date	Time	Signature - Received By: _____			Date	Time	Lab Use Only:					
			8/2	12:20	AC			8-3	12:23	<input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>24.9</u> Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Payment: <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: Prelog storage: _____					

† - Material Type Codes: Plant Material (P) ; Isolate (I) ; Concentrate/Extract (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) ; Vapor Product (V)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms
 12423 NE Whitaker Way P: (503) 254-1794 | Fax: (503) 254-1452 Page _____ of _____
 Portland, OR 97230 info@columbiaboratories.com www.columbiaboratories.com



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Received: 08/03/22 12:23

Revision: 3 Document ID: 3120
 Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg			Batch ID: 2206636			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.862	1.000	86.2	50.0	150
Acephate	0.000	< 0.250		0.790	1.000	79.0	60.0	120
Acetamiprid	0.000	< 1.000		3.096	4.000	77.4	40.0	160
Acetamiprid	0.000	< 0.100		0.329	0.400	82.2	60.0	120
Aldicarb	0.000	< 0.200		0.677	0.800	84.6	60.0	120
Azoxystrobin	0.000	< 0.100		0.390	0.400	97.5	60.0	120
Bifenazate	0.000	< 0.100		0.369	0.400	92.2	60.0	120
Bifenthrin	0.000	< 0.100		0.292	0.400	73.1	50.0	150
Boscalid	0.000	< 0.200		0.537	0.800	67.2	60.0	120
Carbaryl	0.000	< 0.100		0.329	0.400	82.2	60.0	120
Carbofuran	0.000	< 0.100		0.333	0.400	83.3	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.342	0.400	85.5	60.0	120
Chlorfenapyr	0.000	< 0.500		1.309	2.000	65.4	60.0	120
Chlorpyrifos	0.000	< 0.100		0.299	0.400	74.7	60.0	120
Clofentazine	0.000	< 0.100		0.311	0.400	77.7	60.0	120
Cyfluthrin	0.000	< 0.500		1.713	2.000	85.7	50.0	150
Cypermethrin	0.000	< 0.500		1.541	2.000	77.0	50.0	150
Daminozide	0.000	< 0.500		1.895	2.000	94.8	60.0	120
Diazinon	0.000	< 0.100		0.351	0.400	87.7	60.0	120
Dichlorvos	0.000	< 0.500		1.477	2.000	73.8	60.0	120
Dimethoate	0.000	< 0.100		0.321	0.400	80.2	60.0	120
Ethoprophos	0.000	< 0.100		0.341	0.400	85.3	60.0	120
Etofenprox	0.000	< 0.200		0.621	0.800	77.6	50.0	150
Etoxazole	0.000	< 0.100		0.346	0.400	86.5	60.0	120
Fenoxycarb	0.000	< 0.100		0.327	0.400	81.6	60.0	120
Fenpyroximate	0.000	< 0.200		0.648	0.800	81.0	60.0	120
Fipronil	0.000	< 0.200		0.688	0.800	86.1	60.0	120
Fonicamid	0.000	< 0.250		0.797	1.000	79.7	60.0	120
Fludioxonil	0.000	< 0.200		0.636	0.800	79.6	50.0	150
Hexythiazox	0.000	< 0.250		0.782	1.000	78.2	60.0	120
Imazalil	0.000	< 0.100		0.320	0.400	80.0	60.0	120
Imidacloprid	0.000	< 0.200		0.640	0.800	80.0	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.642	0.800	80.2	60.0	120
Malathion	0.000	< 0.100		0.319	0.400	79.7	60.0	120
Metlaxyl	0.000	< 0.100		0.332	0.400	82.9	60.0	120
Methiocarb	0.000	< 0.100		0.312	0.400	78.1	60.0	120
Methomyl	0.000	< 0.200		0.619	0.800	77.3	60.0	120
MGK-264	0.000	< 0.100		0.322	0.400	80.6	50.0	150
Myclobutanil	0.000	< 0.100		0.327	0.400	81.7	60.0	120
Naled	0.000	< 0.250		0.816	1.000	81.6	50.0	150
Oxamyl	0.000	< 0.500		1.594	2.000	79.7	60.0	120
Pacllobutrazole	0.000	< 0.200		0.674	0.800	84.2	60.0	120
Parathion-Methyl	0.000	< 0.200		0.651	0.800	81.4	50.0	150
Permethrin	0.000	< 0.100		0.289	0.400	72.2	50.0	150
Phosmet	0.000	< 0.100		0.317	0.400	79.3	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.785	2.000	89.2	60.0	120
Prallethrin	0.000	< 0.100		0.314	0.400	78.5	60.0	120
Propiconazole	0.000	< 0.200		0.637	0.800	79.6	60.0	120
Propoxur	0.000	< 0.100		0.326	0.400	81.5	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.340	0.413	82.3	60.0	120
Pyridaben	0.000	< 0.100		0.325	0.400	81.3	50.0	150
Spirosad	0.000	< 0.100		0.315	0.388	81.1	50.0	150
Spiromesifen	0.000	< 0.100		0.319	0.400	79.7	60.0	120
Spirotetramat	0.000	< 0.100		0.325	0.400	81.2	60.0	120
Spiroxamine	0.000	< 0.200		0.662	0.800	82.7	60.0	120
Tebuconazole	0.000	< 0.200		0.676	0.800	84.5	60.0	120
Thiacloprid	0.000	< 0.100		0.320	0.400	79.9	60.0	120
Thiamethoxam	0.000	< 0.100		0.303	0.400	75.8	60.0	120
Trifloxystrobin	0.000	< 0.100		0.331	0.400	82.7	60.0	120



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Revision: 3 Document ID: 3120
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID: 2206636				
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 22-009113-0010					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.854	0.871	1.000	2.0%	< 30	85.4%	87.1%	50 - 150	
Acephate	0.057	0.815	0.789	1.000	3.4%	< 30	75.8%	73.3%	50 - 150	
Acequinocyl	0.000	3.383	3.453	4.000	2.1%	< 30	84.6%	86.3%	50 - 150	
Acetamiprid	0.000	0.349	0.343	0.400	1.7%	< 30	87.1%	85.6%	50 - 150	
Aldicarb	0.000	0.704	0.697	0.800	1.0%	< 30	88.0%	87.1%	50 - 150	
Azoxystrobin	0.000	0.346	0.365	0.400	5.3%	< 30	86.5%	91.2%	50 - 150	
Bifenazate	0.000	0.385	0.395	0.400	2.6%	< 30	96.3%	98.8%	50 - 150	
Bifenthrin	0.000	0.287	0.281	0.400	2.4%	< 30	71.8%	70.1%	50 - 150	
Boscalid	0.000	0.655	0.624	0.800	4.8%	< 30	81.9%	78.0%	50 - 150	
Carbaryl	0.000	0.319	0.312	0.400	2.1%	< 30	79.6%	78.0%	50 - 150	
Carbofuran	0.000	0.350	0.335	0.400	4.4%	< 30	87.5%	83.7%	50 - 150	
Chlorantraniliprole	0.000	0.351	0.329	0.400	6.3%	< 30	87.7%	82.3%	50 - 150	
Chlorfenapyr	0.000	2.064	1.762	2.000	15.8%	< 30	103.2%	88.1%	50 - 150	
Chlorpyrifos	0.000	0.061	0.059	0.400	3.9%	< 30	15.2%	14.7%	50 - 150	Q
Clofentezine	0.000	0.323	0.315	0.400	2.7%	< 30	80.8%	78.6%	50 - 150	
Cyfluthrin	0.000	2.449	2.229	2.000	9.4%	< 30	122.5%	111.4%	30 - 150	
Cypermethrin	0.000	2.519	2.478	2.000	1.6%	< 30	125.9%	123.9%	50 - 150	
Daminozide	0.000	1.859	1.872	2.000	0.7%	< 30	93.0%	93.6%	30 - 150	
Diazinon	0.000	0.360	0.354	0.400	1.7%	< 30	90.1%	88.5%	50 - 150	
Dichlorvos	0.000	1.540	1.561	2.000	1.4%	< 30	77.0%	78.1%	50 - 150	
Dimethoate	0.000	0.335	0.333	0.400	0.6%	< 30	83.8%	83.3%	50 - 150	
Ethoprophos	0.000	0.342	0.339	0.400	0.9%	< 30	85.4%	84.6%	50 - 150	
Etofenprox	0.000	0.690	0.676	0.800	2.0%	< 30	86.2%	84.5%	50 - 150	
Etoxazole	0.000	0.349	0.334	0.400	4.5%	< 30	87.2%	83.4%	50 - 150	
Fenoxycarb	0.000	0.343	0.352	0.400	2.8%	< 30	85.7%	88.1%	50 - 150	
Fenpyroximate	0.000	0.779	0.782	0.800	0.3%	< 30	97.4%	97.7%	50 - 150	
Fipronil	0.000	0.658	0.681	0.800	3.5%	< 30	82.3%	85.2%	50 - 150	
Fonicamid	0.000	0.812	0.768	1.000	5.6%	< 30	81.2%	76.8%	50 - 150	
Fludioxonil	0.000	0.675	0.691	0.800	2.3%	< 30	84.4%	86.4%	50 - 150	
Hexythiazox	0.000	0.161	0.162	1.000	0.5%	< 30	16.1%	16.2%	50 - 150	Q
Imazalil	0.000	0.341	0.341	0.400	0.0%	< 30	85.2%	85.2%	50 - 150	
Imidacloprid	0.000	0.660	0.641	0.800	2.9%	< 30	82.5%	80.2%	50 - 150	
Kresoxim-methyl	0.000	0.680	0.673	0.800	1.1%	< 30	85.1%	84.1%	50 - 150	
Malathion	0.000	0.347	0.321	0.400	8.0%	< 30	86.8%	80.1%	50 - 150	
Metaxalyl	0.003	0.378	0.358	0.400	5.5%	< 30	93.8%	88.8%	50 - 150	
Methiocarb	0.000	0.342	0.335	0.400	2.0%	< 30	85.6%	83.9%	50 - 150	
Methomyl	0.000	0.679	0.622	0.800	8.7%	< 30	84.8%	77.8%	50 - 150	
MGK-264	0.000	0.302	0.305	0.400	1.0%	< 30	75.5%	76.3%	50 - 150	
Myclobutanil	0.000	0.343	0.333	0.400	3.1%	< 30	85.8%	83.2%	50 - 150	
Naled	0.000	0.856	0.852	1.000	0.4%	< 30	85.6%	85.2%	50 - 150	
Oxamyl	0.000	1.576	1.572	2.000	0.3%	< 30	78.8%	78.6%	50 - 150	
Paclobotrazole	0.000	0.722	0.751	0.800	3.9%	< 30	90.2%	93.8%	50 - 150	
Parathion-Methyl	0.000	0.663	0.609	0.800	8.5%	< 30	82.9%	76.1%	30 - 150	
Permethrin	0.000	0.421	0.425	0.400	0.8%	< 30	105.3%	106.2%	50 - 150	
Phosmet	0.000	0.336	0.351	0.400	4.5%	< 30	84.0%	87.9%	50 - 150	
Piperonyl butoxide	0.000	2.017	1.866	2.000	7.8%	< 30	100.9%	93.3%	50 - 150	
Prallethrin	0.000	0.296	0.288	0.400	2.7%	< 30	74.0%	72.1%	50 - 150	
Propiconazole	0.000	0.684	0.700	0.800	2.3%	< 30	85.5%	87.4%	50 - 150	
Propoxur	0.000	0.348	0.355	0.400	1.9%	< 30	87.1%	88.7%	50 - 150	
Pyrethrin (Summe)	0.000	0.600	0.588	0.413	1.9%	< 30	145.2%	142.5%	50 - 150	
Pyridaben	0.000	0.393	0.383	0.400	2.5%	< 30	98.3%	95.9%	50 - 150	
Spinosad	0.000	0.339	0.317	0.388	6.5%	< 30	87.3%	81.8%	50 - 150	
Spiromesifen	0.005	0.309	0.301	0.400	2.7%	< 30	75.9%	73.9%	50 - 150	
Spirotetramat	0.000	0.349	0.330	0.400	5.6%	< 30	87.2%	82.5%	50 - 150	
Spiroxamine	0.000	0.693	0.690	0.800	0.5%	< 30	86.6%	86.2%	50 - 150	
Tebuconazole	0.000	0.711	0.702	0.800	1.3%	< 30	88.8%	87.7%	50 - 150	
Thiacloprid	0.000	0.346	0.341	0.400	1.4%	< 30	86.5%	85.3%	50 - 150	
Thiamethoxam	0.000	0.324	0.282	0.400	13.8%	< 30	81.0%	70.5%	50 - 150	
Trifloxystrobin	0.000	0.373	0.350	0.400	6.5%	< 30	93.2%	87.4%	50 - 150	



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Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2206648

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	1	0.102	0.100	%	102	80.0	- 120	Acceptable	
CBDV	1	0.111	0.100	%	111	80.0	- 120	Acceptable	
CBE	1	0.0989	0.100	%	98.9	80.0	- 120	Acceptable	
CBDA	1	0.0981	0.100	%	98.1	90.0	- 110	Acceptable	
CBGA	1	0.0977	0.100	%	97.7	80.0	- 120	Acceptable	
CBG	1	0.103	0.100	%	103	80.0	- 120	Acceptable	
CBD	1	0.102	0.100	%	102	90.0	- 110	Acceptable	
THCV	1	0.0978	0.100	%	97.8	80.0	- 120	Acceptable	
d8THCV	1	0.0996	0.100	%	99.6	80.0	- 120	Acceptable	
THCVA	1	0.0970	0.100	%	97.0	80.0	- 120	Acceptable	
CBN	1	0.103	0.100	%	103	90.0	- 110	Acceptable	
exo-THC	1	0.0964	0.100	%	96.4	80.0	- 120	Acceptable	
d9THC	1	0.106	0.100	%	106	90.0	- 110	Acceptable	
d8THC	1	0.0947	0.100	%	94.7	90.0	- 110	Acceptable	
CBL	1	0.0907	0.100	%	90.7	80.0	- 120	Acceptable	
CBC	1	0.0974	0.100	%	97.4	80.0	- 120	Acceptable	
THCA	1	0.0951	0.100	%	95.1	90.0	- 110	Acceptable	
CBCA	1	0.101	0.100	%	101	80.0	- 120	Acceptable	
CBLA	1	0.104	0.100	%	104	80.0	- 120	Acceptable	
CBT	1	0.0903	0.100	%	90.3	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	
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



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



Report Number: 22-009177/D003.R000
Report Date: 08/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 08/03/22 12:23

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

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2206648						
Sample Duplicate		Sample ID: 22-008854-0001-01						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD A	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.077	%	NA	< 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	>98	>98	0.077	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	<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:

% - Percent



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.