



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



Report Number: 22-009177/D004.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 CBD
Client/Metric ID: .
Laboratory ID: 22-009177-0003

Summary

Potency:

Analyte	Result (%)	- CBD - CBE - CBD-A - CBN - CBC - CBT - CBG - CBDV - THC-A	
CBD	63.8		
CBE	4.08		
CBD-A	3.84		
CBN	2.39		
CBC	2.22		
CBT	1.37		
CBG	0.816		
CBDV	0.303		
THC-A	0.134		

CBD-Total	67.2%
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 CBD
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-009177-0003
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 10:58:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	2.22		0.0700			
CBC-A	< LOQ		0.0700			
CBC-Total	2.22		0.131			
CBD	63.8		0.700			
CBD-A	3.84		0.0700			
CBD-Total	67.2		0.761			
CBDV	0.303		0.0700			
CBDV-A	< LOQ		0.0700			
CBDV-Total	0.303		0.131			
CBE	4.08		0.0700			
CBG	0.816		0.0700			
CBG-A	< LOQ		0.0700			
CBG-Total	0.816		0.131			
CBL	< LOQ		0.0700			
CBL-A	< LOQ		0.0700			
CBL-Total	< LOQ		0.131			
CBN	2.39		0.0700			
CBT	1.37		0.0700			
Δ8-THC	< LOQ		0.0700			
Δ8-THCV	< LOQ		0.0700			
Δ9-THC	< LOQ		0.0700			
exo-THC	< LOQ		0.0700			
THC-A	0.134		0.0700			
THC-Total	< LOQ		0.131			
THCV	< LOQ		0.0700			
THCV-A	< LOQ		0.0700			
THCV-Total	< LOQ		0.131			
Total Cannabinoids	79.0					



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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		I
Total Coliforms	< LOQ		cfu/g	10	2206545	08/06/22 AOAC 991.14 (Petrifilm) ^P		I

Solvents						Method: Residual Solvents by GC/MS ^b						Units		Batch		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											



Preliminary Report

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
Abamectin [¥]	< LOQ	0.50	0.250	pass		Acephate [¥]	< LOQ	0.40	0.250	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		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		Etiozazole [¥]	< 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
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	0.0990	2206687	08/08/22 AOAC 2013.06 (mod.) ^b	pass	
Cadmium	< LOQ	0.200	mg/kg	0.0990	2206687	08/08/22 AOAC 2013.06 (mod.) ^b	pass	
Lead	< LOQ	0.500	mg/kg	0.0990	2206687	08/08/22 AOAC 2013.06 (mod.) ^b	pass	
Mercury	< LOQ	0.100	mg/kg	0.0495	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

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

Approved Signatory

Derrick Tanner
General Manager



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

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

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

Company: <u>Wootstock Hemp Company</u>			Analysis Requested										PO Number: _____		
Contact: <u>JASON</u>													Project ID: _____		
Address: _____													Batch ID: _____		
City: <u>O.C.</u> State: <u>OR</u> Zip Code: <u>97045</u>													Sampled by: _____		
☒ Email Results: <u>JASON@WOOTSTOCK.COM</u>													Custom Reporting: _____		
☒ Ph: <u>(503) 457 4500</u>													Source Material: ☒ Ind. Hemp product ☐ Rec. Cannabis		
Billing Contact (if different)													Reporting Type: ☐ Compliance ☒ R&D		
Name: _____ Email: _____													Report to: ☐ METRC ☐ ODA ☐ USDA ☐ Other:		
Address: _____													Turnaround time (TAT - Business Days):		
City: _____ State: _____ Zip: _____													☐ 5BD ☐ 3BD* ☐ 2BD*		
Ph: () - _____													<i>*Check for availability</i>		
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	☐ Shipped Via: _____ or ☒ Client drop off					
										Evidence of cooling: ☐ Yes ☒ No - Temp (°C): <u>24.9</u>					
										Sample in good condition: ☒ Yes ☐ No					
										Payment: ☐ Cash ☐ Check ☐ CC ☐ 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
Portland, OR 97230
P: (503) 254-1794 | Fax: (503) 254-1452
info@columbiolaboratories.com
Page _____ of _____
www.columbiolaboratories.com



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Revision: 3 Document ID 3120
LegacyID: CFC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AQAC2007.1 & EN 15662			Units: mg/Kg		Batch ID 2206636			
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spke	LCS % Re	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	
Acetaminoyl	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	
Carbendazim	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	
Clofentezine	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	
Ethionphos	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	
Flpronil	0.000	< 0.200		0.688	0.800	86.1	60.0 120	
Flonicamid	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	
Kiesoxim-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	
Metolaxyl	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	
MCK-264	0.000	< 0.100		0.322	0.400	80.6	50.0 150	
Mydobutanil	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	
Padobutrazole	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	
Spinosad	0.000	< 0.100		0.315	0.388	81.1	50.0 150	
Spiromesfen	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	
Thiadoprid	0.000	< 0.100		0.320	0.400	79.9	60.0 120	
Thiamethoxam	0.000	< 0.100		0.308	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
LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662				Units: mg/Kg		Batch ID 2206636				
Matrix Spike/Matrix Spike Duplicate Recoveries				Sample ID: 220091130010						
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Re	MSD % Re	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	3.388	3.453	4.000	2.1%	< 30	84.8%	86.3%	50 - 150	
Acetamiprid	0.000	0.349	0.343	0.400	1.7%	< 30	87.1%	85.8%	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	86.9%	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%	78.8%	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%	93.8%	30 - 150	
Diazinon	0.000	0.380	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	
Ethiofophos	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%	84.9%	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	
Flpronil	0.000	0.658	0.681	0.800	3.5%	< 30	82.3%	85.2%	50 - 150	
Flonicamid	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
Imazail	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	
Kiesoxim-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	
Metolaxyl	0.003	0.378	0.398	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	
MCK-264	0.000	0.302	0.305	0.400	1.0%	< 30	75.9%	76.3%	50 - 150	
Mydobutanol	0.000	0.343	0.333	0.400	3.1%	< 30	85.8%	83.2%	50 - 150	
Naled	0.000	0.855	0.852	1.000	0.4%	< 30	85.8%	85.2%	50 - 150	
Oxamyl	0.000	1.576	1.572	2.000	0.3%	< 30	78.8%	78.6%	50 - 150	
Padobutrazole	0.000	0.722	0.751	0.800	3.9%	< 30	90.2%	93.8%	50 - 150	
Parathion-Methyl	0.000	0.683	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	1.886	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	0.694	0.700	0.800	2.3%	< 30	85.9%	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	0.398	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	
Spiromesfen	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	
Thiadoprid	0.000	0.346	0.341	0.400	1.4%	< 30	86.9%	85.3%	50 - 150	
Thiamethoxam	0.000	0.324	0.282	0.400	13.8%	< 30	81.0%	70.9%	50 - 150	
Trifloxystrobin	0.000	0.373	0.350	0.400	6.5%	< 30	93.2%	87.4%	50 - 150	



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503-254-1794



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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



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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	
CBDA	<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	
dBTHCV	<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	
dBTHC	<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.