Columbia LABORATORIES
A Tentamus Company

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

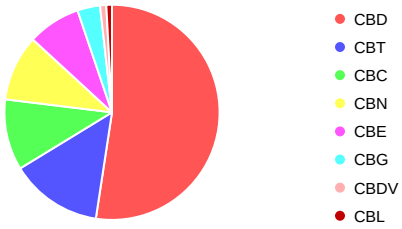
Report Number: 21-008224/D004.R000
Report Date: 07/26/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/19/21 16:14

Customer: The Hemp Collect
Product identity: I01DSTGVB0625
Client/Metrc ID: .
Laboratory ID: 21-008224-0001 **Sample Date:** 07/19/21

Summary

Potency:

Analyte	Result (%)
CBD	38.0
CBT†	10.0
CBC	7.72
CBN	7.17
CBE†	5.77
CBG†	2.47
CBDV†	0.677
CBL†	0.614



CBD-Total	38.0%
THC-Total	<LOQ

(Reported in percent of total sample)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

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Received: 07/19/21 16:14

Customer: The Hemp Collect
2929 SE Powell Blvd #1
Portland Oregon 97202
United States of America (USA)

Product identity: I01DSTGVB0625
Client/Metrc ID: .
Sample Date: 07/19/21
Laboratory ID: 21-008224-0001
Evidence of Cooling: No
Temp: 29.3 °C

THE HEMP COLLECT

Sample Results

Potency **Method** J AOAC 2015 V98-6 (mod) **Units** % **Batch:** 2106512 **Analyze:** 7/21/21 10:59:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	7.72		0.0846	
CBC-A†	< LOQ		0.0846	
CBC-Total†	7.72		0.159	
CBD	38.0		0.846	
CBD-A	< LOQ		0.0846	
CBD-Total	38.0		0.920	
CBDV†	0.677		0.0846	
CBDV-A†	< LOQ		0.0846	
CBDV-Total†	0.677		0.158	
CBE†	5.77		0.0846	
CBG†	2.47		0.0846	
CBG-A†	< LOQ		0.0846	
CBG-Total	2.47		0.158	
CBL†	0.614		0.0846	
CBL-A†	< LOQ		0.0846	
CBL-Total†	0.614		0.159	
CBN	7.17		0.0846	
CBT†	10.0		0.0846	
Δ8-THC†	< LOQ		0.0846	
Δ8-THCV	< LOQ		0.0846	
Δ9-THC	< LOQ		0.0846	
THC-A	< LOQ		0.0846	
THC-Total	< LOQ		0.159	
THCV†	< LOQ		0.0846	
THCV-A†	< LOQ		0.0846	
THCV-Total†	< LOQ		0.158	
Total Cannabinoids†	72.4			

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Received: 07/19/21 16:14

Solvents **Method** Residual Solvents by GC/MS **Units** µg/g **Batch** 2106418 **Analyze** 07/22/21 01:06 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	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< 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	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane	< 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	< LOQ	2170	600	pass	

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Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2106552 **Analyze** 07/23/21 01:27 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	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		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	
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	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0460	2106561	07/23/21	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0460	2106561	07/23/21	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0460	2106561	07/23/21	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0230	2106561	07/23/21	AOAC 2013.06 (mod.)	X

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Received:	07/19/21 16:14

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

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.

† = Analyte not NELAP accredited.

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

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

Columbia LABORATORIES
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Columbia LABORATORIES
A Tentamus Company

Hemp / Cannabis Usable / Extract / Finished Products
Chain of Custody Record

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021
ORELAP ID: OR100028

THEHEMPCOLLECT 21-008224
The Hemp Collect

Company: The Hemp Collect
Contact: Kyle Farook
Street: 431 NW Flanders st.
City: Portland State: OR Zip: 97209
☐ Email Results: kyle@thehempcollect.com
Ph: (61) 608164 ☐ Fx Results: (___)_____
Billing (if different):_____

PO Number: _____
Project Number: _____
Project Name: _____
Custom Reporting: _____
Report to State - ☐ METRC or ☐ Other:_____
Turnaround time: ☑ 5 Business Day Standard Turnaround
☐ 3 Business Day Rush Turnaround*
☐ 2 Business Day Rush Turnaround*
*Check for availability
Sampled by: _____

Lab ID	Client Sample Identification	Date	Time	Pesticides – OR 59 compounds	Pesticide Multi-Residue – 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: *E.Coli* and Total Coliform	Heavy Metals	Mycotoxins	Other:	Sample Type †	Weight (Units)	Comments/Metrc ID
1	I01DSTGVB0625	7/19		x		x	x					x			C		3 day turnaround on sample #2
2	M03FTS_0712	7/19				x									C		
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished By:	Date	Time	Received By:	Date	Time	Lab Use Only:
Kyle Farook	7/19	3:45	Hagit Ala	07/19/21	16:14	☐ Shipped Via: _____ or ☑ Client drop
						Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 20.3
						Sample in good condition: ☑ Yes | ☐ No _____
						☐ Cash | ☐ Check | ☐ CC | ☐ Net: _____
						Prelog storage: _____

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

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
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info@columbialaboratories.com
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Page _____of_____

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Laboratory Quality Control Results

Residual Solvents — Batch ID: 2106418

Method Blank					Laboratory Control Sample							
Analyte	Result		LOQ	Notes	Result	Spike	Units	%Rec	Limits			Notes
Propane	ND	<	200		498	595	µg/g	83.7	70	-	130	
Isobutane	ND	<	200		751	761	µg/g	98.7	70	-	130	
Butane	ND	<	200		765	761	µg/g	100.5	70	-	130	
2,2-Dimethylpropane	ND	<	200		905	955	µg/g	94.8	70	-	130	
Methanol	ND	<	200		1770	1610	µg/g	109.9	70	-	130	
Ethylene Oxide	ND	<	30		55.6	58.3	µg/g	95.4	70	-	130	
2-Methylbutane	ND	<	200		1520	1610	µg/g	94.4	70	-	130	
Pentane	ND	<	200		1550	1620	µg/g	95.7	70	-	130	
Ethanol	ND	<	200		1660	1610	µg/g	103.1	70	-	130	
Ethyl Ether	ND	<	200		1770	1610	µg/g	109.9	70	-	130	
2,2-Dimethylbutane	ND	<	30		132	172	µg/g	76.7	70	-	130	
Acetone	ND	<	200		1530	1600	µg/g	95.6	70	-	130	
2-Propanol	ND	<	200		1700	1620	µg/g	104.9	70	-	130	
Acetonitrile	ND	<	100		512	501	µg/g	102.2	70	-	130	
2,3-Dimethylbutane	ND	<	30		142	163	µg/g	87.1	70	-	130	
Dichloromethane	ND	<	60		429	483	µg/g	88.8	70	-	130	
2-Methylpentane	ND	<	30		149	164	µg/g	90.9	70	-	130	
3-Methylpentane	ND	<	30		159	164	µg/g	97.0	70	-	130	
Hexane	ND	<	30		170	163	µg/g	104.3	70	-	130	
Ethyl acetate	ND	<	200		1720	1610	µg/g	106.8	70	-	130	
2-Butanol	ND	<	200		1740	1620	µg/g	107.4	70	-	130	
Tetrahydrofuran	ND	<	100		477	500	µg/g	95.4	70	-	130	
Cyclohexane	ND	<	200		1390	1610	µg/g	86.3	70	-	130	
Benzene	ND	<	1		5.17	5.42	µg/g	95.4	70	-	130	
Isopropyl Acetate	ND	<	200		1700	1600	µg/g	106.3	70	-	130	
Heptane	ND	<	200		1700	1600	µg/g	106.3	70	-	130	
1,4-Dioxane	ND	<	100		434	490	µg/g	88.6	70	-	130	
2-Ethoxyethanol	ND	<	30		174	163	µg/g	106.7	70	-	130	
Ethylene Glycol	ND	<	200		519	484	µg/g	107.2	70	-	130	
Toluene	ND	<	200		428	482	µg/g	88.8	70	-	130	
Ethylbenzene	ND	<	200		913	970	µg/g	94.1	70	-	130	
m,p-Xylene	ND	<	200		848	991	µg/g	85.6	70	-	130	
o-Xylene	ND	<	200		913	967	µg/g	94.4	70	-	130	
Cumene	ND	<	30		152	169	µg/g	89.9	70	-	130	

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ORELAP#: OR100028
Purchase Order:
Received: 07/19/21 16:14

QC- Sample Duplicate — Sample ID: 21-008168-0029

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	
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	200	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

Units of Measure:

µg/g- Microgram per gram or ppm

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Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2106512**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.201	0.2	%	101	85.0 - 115	Acceptable	
CBDV	0.203	0.2	%	101	85.0 - 115	Acceptable	
CBE	0.210	0.2	%	105	85.0 - 115	Acceptable	
CBDA	0.207	0.2	%	104	85.0 - 115	Acceptable	
CBGA	0.201	0.2	%	101	85.0 - 115	Acceptable	
CBG	0.203	0.2	%	102	85.0 - 115	Acceptable	
CBD	0.211	0.2	%	106	85.0 - 115	Acceptable	
THCV	0.201	0.2	%	101	85.0 - 115	Acceptable	
d8THCV	0.203	0.2	%	102	85.0 - 115	Acceptable	
THCVA	0.193	0.2	%	96.7	85.0 - 115	Acceptable	
CBN	0.210	0.2	%	105	85.0 - 115	Acceptable	
exo-THC	0.201	0.2	%	100	85.0 - 115	Acceptable	
d9THC	0.207	0.2	%	103	85.0 - 115	Acceptable	
d8THC	0.197	0.2	%	98.4	85.0 - 115	Acceptable	
CBL	0.194	0.2	%	97.2	85.0 - 115	Acceptable	
CBC	0.202	0.2	%	101	85.0 - 115	Acceptable	
THCA	0.201	0.2	%	101	85.0 - 115	Acceptable	
CBCA	0.193	0.2	%	96.5	85.0 - 115	Acceptable	
CBLA	0.206	0.2	%	103	85.0 - 115	Acceptable	
CBT	0.211	0.2	%	105	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBDV	<LOQ	0.1	%	< 0.1	Acceptable	
CBE	<LOQ	0.1	%	< 0.1	Acceptable	
CBDA	<LOQ	0.1	%	< 0.1	Acceptable	
CBGA	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
d8THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
exo-THC	<LOQ	0.1	%	< 0.1	Acceptable	
d9THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CBC	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBLA	<LOQ	0.1	%	< 0.1	Acceptable	
CBT	<LOQ	0.1	%	< 0.1	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 21-008224/D004.R000
Report Date: 07/26/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/19/21 16:14

Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2106512**

Sample Duplicate Sample ID: **21-007775-0001-01**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	0.510	0.515	0.1	%	0.903	< 20	Acceptable	
CBE	0.383	0.414	0.1	%	7.77	< 20	Acceptable	
CBDA	0.664	0.676	0.1	%	1.67	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	0.706	0.714	0.1	%	1.24	< 20	Acceptable	
CBD	59.5	60.0	0.1	%	0.949	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	0.166	0.165	0.1	%	0.533	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	2.13	2.17	0.1	%	2.03	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	0.104	<LOQ	0.1	%	NA	< 20	Acceptable	R2
CBC	2.39	2.42	0.1	%	1.24	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	0.837	0.858	0.1	%	2.53	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
NA - Calculation Not Applicable given non-numerical results
R2 - Sample replicates RPD non-calculable, as only one replicate is within analytical range.

Units of Measure:

% - Percent

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Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 | **Units:** mg/Kg | **Batch ID:** 2106552

Method Blank				Laboratory Control Sample				
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**	**Notes**
Acephate	0.000	< 0.250		1.054	1.000	105.4	68.7 - 128	
Acequinocyl	0.000	< 1.000		5.907	4.000	***147.7***	67.8 - 126	**Q1**
Acetamiprid	0.000	< 0.100		0.400	0.400	99.9	69.8 - 130	
Aldicarb	0.000	< 0.200		0.868	0.800	108.5	71.6 - 133	
Abamectin	0.000	< 0.250		0.957	1.000	95.7	69.9 - 130	
Azoxystrobin	0.012	< 0.100		0.381	0.400	95.2	68.9 - 128	
Bifenazate	0.000	< 0.100		0.498	0.400	124.4	72.6 - 135	
Bifenthrin	0.000	< 0.100		0.425	0.400	106.1	69.0 - 128	
Boscalid	0.000	< 0.200		0.762	0.800	95.2	69.6 - 129	
Carbaryl	0.000	< 0.100		0.406	0.400	101.5	69.1 - 128	
Carbofuran	0.003	< 0.100		0.389	0.400	97.2	69.9 - 130	
Chlorantraniliprol	0.000	< 0.100		0.393	0.400	98.2	70.3 - 130	
Chlorfenapyr	0.000	< 0.500		2.224	2.000	111.2	69.1 - 128	
Chlorpyrifos	0.000	< 0.100		0.421	0.400	105.3	68.3 - 127	
Clofentezine	0.000	< 0.100		0.408	0.400	102.0	69.3 - 129	
Cyfluthrin	0.000	< 0.500		2.178	2.000	108.9	69.9 - 130	
Cypermethrin	0.000	< 0.500		2.034	2.000	101.7	69.9 - 130	
Daminozide	0.000	< 0.500		2.241	2.000	112.0	70.7 - 131	
Diazinon	0.000	< 0.100		0.401	0.400	100.4	69.0 - 128	
Dichlorvos	0.000	< 0.500		2.004	2.000	100.2	67.2 - 125	
Dimethoat	0.000	< 0.100		0.394	0.400	98.6	69.7 - 129	
Ethoprophos	0.000	< 0.100		0.406	0.400	101.5	68.7 - 128	
Etofenprox	0.000	< 0.200		0.878	0.800	109.7	69.2 - 128	
Etoxazol	0.000	< 0.100		0.429	0.400	107.3	68.5 - 127	
Fenoxycarb	0.000	< 0.100		0.393	0.400	98.2	69.2 - 128	
Fenpyroximat	0.000	< 0.200		0.822	0.800	102.7	69.3 - 129	
Fipronil	0.000	< 0.200		0.785	0.800	98.1	70.9 - 132	
Flonicamid	0.000	< 0.250		0.994	1.000	99.4	69.6 - 129	
Fludioxonil	0.000	< 0.200		0.823	0.800	102.9	70.9 - 132	
Hexythiazox	0.000	< 0.250		1.111	1.000	111.1	68.0 - 126	
Imazalil	0.000	< 0.100		0.452	0.400	113.1	71.4 - 133	
Imidacloprid	0.000	< 0.200		0.799	0.800	99.9	68.5 - 127	
Kresoxim-Methyl	0.000	< 0.200		0.800	0.800	100.0	69.3 - 129	
Malathion	0.000	< 0.100		0.411	0.400	102.8	68.7 - 128	
Metalaxyl	0.000	< 0.100		0.390	0.400	97.5	69.3 - 129	
Methiocarb	0.000	< 0.100		0.412	0.400	103.1	69.1 - 128	
Methomyl	0.000	< 0.200		0.821	0.800	102.7	69.3 - 129	
MGK 264	0.000	< 0.100		0.389	0.400	97.1	68.7 - 128	
Myclobutanil	0.000	< 0.100		0.384	0.400	96.0	69.1 - 128	
Naled	0.000	< 0.250		1.002	1.000	100.2	70.7 - 131	
Oxamyl	0.000	< 0.500		2.026	2.000	101.3	70.1 - 130	
Paclobutrazol	0.000	< 0.200		0.803	0.800	100.4	69.8 - 130	
Parathion Methyl	0.000	< 0.200		0.921	0.800	115.1	70.4 - 131	
Permethrin	0.000	< 0.100		0.372	0.400	92.9	69.2 - 129	
Phosmet	0.000	< 0.100		0.399	0.400	99.8	68.8 - 128	
Piperonyl butoxide	0.000	< 0.500		2.004	2.000	100.2	69.2 - 128	
Prallethrin	0.000	< 0.100		0.386	0.400	96.5	69.8 - 130	
Propiconazole	0.000	< 0.200		0.792	0.800	99.0	69.4 - 129	
Propoxur	0.003	< 0.100		0.394	0.400	98.5	68.8 - 128	
Pyrethrins	0.000	< 0.100		0.425	0.413	102.9	67.4 - 125	
Pyridaben	0.000	< 0.100		0.396	0.400	99.1	68.6 - 127	
Spinosad	0.000	< 0.100		0.432	0.388	111.4	71.9 - 134	
Spiromesifen	0.000	< 0.100		0.422	0.400	105.4	69.9 - 130	
Spirotetramat	0.000	< 0.100		0.408	0.400	101.9	69.2 - 129	
Spiroxamine	0.000	< 0.200		0.787	0.800	98.4	67.7 - 126	
Tebuconazol	0.000	< 0.200		0.789	0.800	98.6	69.3 - 129	
Thiacloprid	0.000	< 0.100		0.394	0.400	98.5	68.6 - 127	
Thiamethoxam	0.000	< 0.100		0.427	0.400	106.7	69.1 - 128	
Trifloxystrobin	0.000	< 0.100		0.393	0.400	98.3	69.0 - 128	

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Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 | **Units:** mg/Kg | **Batch ID:** 2106552

Matrix Spike/Matrix Spike Duplicate Recoveries | **Sample ID: 21-008224-0001**

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.962	0.899	1.000	6.9%	< 30	96.2%	89.9%	50 - 150	
Acequinocyl	0.000	3.739	3.850	4.000	2.9%	< 30	93.5%	96.3%	50 - 150	
Acetamiprid	0.000	0.351	0.335	0.400	4.6%	< 30	87.6%	83.7%	50 - 150	
Aldicarb	0.000	0.895	0.773	0.800	14.7%	< 30	111.9%	96.6%	50 - 150	
Abamectin	0.000	0.795	0.737	1.000	7.6%	< 30	79.5%	73.7%	50 - 150	
Azoxystrobin	0.000	0.253	0.235	0.400	7.6%	< 30	63.4%	58.7%	50 - 150	
Bifenazate	0.000	0.431	0.395	0.400	8.7%	< 30	107.8%	98.8%	50 - 150	
Bifenthrin	0.000	0.153	0.147	0.400	3.8%	< 30	38.3%	36.9%	50 - 150	Q
Boscalid	0.000	0.628	0.606	0.800	3.6%	< 30	78.5%	75.8%	50 - 150	
Carbaryl	0.000	0.249	0.244	0.400	2.0%	< 30	62.1%	60.9%	50 - 150	
Carbofuran	0.000	0.277	0.226	0.400	20.0%	< 30	69.1%	56.6%	50 - 150	
Chlorantraniliprol	0.000	0.323	0.282	0.400	13.6%	< 30	80.8%	70.5%	50 - 150	
Chlorfenapyr	0.000	0.965	0.893	2.000	7.8%	< 30	48.3%	44.6%	50 - 150	Q
Chlorpyrifos	0.000	0.246	0.250	0.400	1.6%	< 30	61.6%	62.6%	50 - 150	
Clofentezine	0.000	0.105	0.102	0.400	2.7%	< 30	26.3%	25.6%	50 - 150	Q
Cyfluthrin	0.000	0.452	0.475	2.000	5.0%	< 30	22.6%	23.7%	30 - 150	Q
Cypermethrin	0.000	0.971	1.001	2.000	3.1%	< 30	48.5%	50.1%	50 - 150	Q
Daminozide	0.000	1.994	1.895	2.000	5.1%	< 30	99.7%	94.7%	30 - 150	
Diazinon	0.000	0.212	0.204	0.400	4.0%	< 30	53.0%	50.9%	50 - 150	
Dichlorvos	0.000	1.367	1.311	2.000	4.2%	< 30	68.4%	65.5%	50 - 150	
Dimethoat	0.007	0.348	0.325	0.400	7.1%	< 30	85.3%	79.5%	50 - 150	
Ethoprophos	0.000	0.304	0.276	0.400	9.7%	< 30	76.0%	69.0%	50 - 150	
Etofenprox	0.000	0.454	0.456	0.800	0.6%	< 30	56.7%	57.1%	50 - 150	
Etoxazol	0.002	0.233	0.245	0.400	5.1%	< 30	57.6%	60.7%	50 - 150	
Fenoxycarb	0.000	0.204	0.192	0.400	6.0%	< 30	51.0%	48.0%	50 - 150	Q
Fenpyroximat	0.000	0.537	0.466	0.800	14.1%	< 30	67.1%	58.3%	50 - 150	
Fipronil	0.000	0.211	0.198	0.800	6.6%	< 30	26.4%	24.7%	50 - 150	Q
Flonicamid	0.000	0.801	0.808	1.000	0.9%	< 30	80.1%	80.8%	50 - 150	
Fludioxonil	0.000	1.097	0.958	0.800	13.5%	< 30	137.1%	119.7%	50 - 150	
Hexythiazox	0.000	0.099	0.098	1.000	0.9%	< 30	9.9%	9.8%	50 - 150	Q
Imazalil	0.000	0.364	0.378	0.400	3.7%	< 30	91.1%	94.5%	50 - 150	
Imidacloprid	0.000	0.732	0.689	0.800	6.1%	< 30	91.5%	86.1%	50 - 150	
Kresoxim-Methyl	0.000	0.436	0.426	0.800	2.4%	< 30	54.5%	53.2%	50 - 150	
Malathion	0.000	0.308	0.312	0.400	1.2%	< 30	77.0%	77.9%	50 - 150	
Metalaxyl	0.000	0.374	0.347	0.400	7.5%	< 30	93.5%	86.7%	50 - 150	
Methiocarb	0.000	0.302	0.224	0.400	29.9%	< 30	75.6%	55.9%	50 - 150	
Methomyl	0.000	0.794	0.767	0.800	3.4%	< 30	99.3%	95.9%	50 - 150	
MGK 264	0.000	0.076	0.073	0.400	5.1%	< 30	19.1%	18.1%	50 - 150	Q
Myclobutanil	0.000	0.357	0.305	0.400	15.6%	< 30	89.1%	76.2%	50 - 150	
Naled	0.000	0.539	0.531	1.000	1.5%	< 30	53.9%	53.1%	50 - 150	
Oxamyl	0.000	2.030	1.950	2.000	4.0%	< 30	101.5%	97.5%	50 - 150	
Paclobutrazol	0.000	0.612	0.580	0.800	5.3%	< 30	76.4%	72.5%	50 - 150	
Parathion Methyl	0.000	0.565	0.672	0.800	17.3%	< 30	70.6%	84.0%	30 - 150	
Permethrin	0.000	0.205	0.230	0.400	11.4%	< 30	51.4%	57.6%	50 - 150	
Phosmet	0.000	0.257	0.248	0.400	3.6%	< 30	64.2%	61.9%	50 - 150	
Piperonyl butoxide	0.000	1.794	1.831	2.000	2.0%	< 30	89.7%	91.5%	50 - 150	
Prallethrin	0.000	0.499	0.569	0.400	13.1%	< 30	124.8%	142.3%	50 - 150	
Propiconazole	0.000	0.530	0.515	0.800	2.8%	< 30	66.3%	64.4%	50 - 150	
Propoxur	0.000	0.330	0.320	0.400	3.0%	< 30	82.5%	80.0%	50 - 150	
Pyrethrins	0.000	0.247	0.233	0.413	5.8%	< 30	59.7%	56.3%	50 - 150	
Pyridaben	0.001	0.264	0.250	0.400	5.3%	< 30	65.7%	62.3%	50 - 150	
Spinosad	0.000	0.274	0.266	0.388	2.9%	< 30	70.7%	68.7%	50 - 150	
Spiromesifen	0.000	0.258	0.231	0.400	11.4%	< 30	64.6%	57.6%	50 - 150	
Spirotetramat	0.000	0.521	0.485	0.400	7.1%	< 30	130.1%	121.3%	50 - 150	
Spiroxamine	0.000	0.668	0.647	0.800	3.2%	< 30	83.5%	80.9%	50 - 150	
Tebuconazol	0.000	0.498	0.493	0.800	0.9%	< 30	62.2%	61.6%	50 - 150	
Thiacloprid	0.000	0.322	0.296	0.400	8.4%	< 30	80.6%	74.1%	50 - 150	
Thiamethoxam	0.000	0.461	0.378	0.400	19.7%	< 30	115.2%	94.6%	50 - 150	
Trifloxystrobin	0.000	0.234	0.235	0.400	0.2%	< 30	58.5%	58.7%	50 - 150	

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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	Quantitaion 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.