



TEST RESULTS SUMMARY

Please see the following pages for full test results.

Batch Date: 07/19/2021	Batch #: 21-0719-4	NR: Not Reported NA: Not Applicable
Product Name: 6,000 MG CBD Full Spectrum Oil Drops (200mg/ml)		LOQ: Limit Of Quantitation LOD: Limit Of Detection
Expiration Date: 07/19/2023	Batch Size: 500 Units	1 g = 10 ⁻³ kg = 10 ³ mg = 10 ⁶ μg
Testing Lab: Columbia Labs	ORELAP Lab #: OR100028	

POTENCY PASS	Per Serving	Total Percent	Regulatory Action Level
Cannabidiol (CBD)	200 mg	20.8 %	N/A
Total THC (d9-THC + d8-THC)	2.64 mg	0.275 %	0.3%
Cannabigerol (CBG)	0.72 mg	0.075 %	N/A
Cannabinol (CBN)	0.52 mg	0.054 %	N/A
Cannabichromene (CBC)	1.75 mg	0.182 %	N/A

HEAVY METALS PASS	Per Serving	Per Gram	Regulatory Action Level
Arsenic	<LOQ μg/serving	<LOQ μg/g	10 μg/day ^[1]
Cadmium	<LOQ μg/serving	<LOQ μg/g	4.1 μg/day ^[1]
Lead	<LOQ μg/serving	<LOQ μg/g	3.5 μg/day ^[2]
Mercury	<LOQ μg/serving	<LOQ μg/g	2 μg/day ^[1]

PESTICIDES PASS	Regulatory Action Level
ZERO of 59 pesticides tested found above limit of detection in the sample.	10 ppb ^[3]

MICROBIAL PASS	Pass/Fail
Aerobic Plate Count	PASS
Ecoli 0157	PASS
Listeria spp.	PASS
Salmonella spp.	PASS
Staphylococcus	PASS
Yeast and Mold	PASS
Mycotoxins	PASS

1. Agency for Toxic Substances & Disease Registry. (2020). "Minimal Risk Levels (MRLs) for Hazardous Substances". Atlanta, GA: ATSDR. <https://www.atsdr.cdc.gov/mrls/mrllist.asp#24tag>

2. US Food and Drug Administration. (2020). "Lead in Food, Foodwares, and Dietary Supplements". Washington DC: FDA. <https://www.fda.gov/food/metals-and-your-food/lead-food-foodwares-and-dietary-supplements>

3. Oregon Department of Agriculture. (2020). "Cannabis and Pesticides". Salem, OR: ODA. <https://www.oregon.gov/ODA/programs/Pesticides/Pages/CannabisPesticides.aspx>



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



Report Number: 21-008361/D002.R000
Report Date: 07/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/22/21 10:54

Customer: Alliant Hemp LLC
Product identity: 200mg/ml FS #21-0719-4
Client/Metric ID: .
Laboratory ID: 21-008361-0001

Sample Date: 07/20/21

Summary

Potency:

Analyte	Result	Limits	Units	Status	
CBC	0.182		%		CBD-Total per 1ml
CBD	20.8		%		200 mg/1ml
CBDV†	0.0708		%		THC-Total per 1ml
CBE†	0.153		%		2.64 mg/1ml
CBG†	0.0748		%		(Reported in milligrams per serving)
CBL†	0.00858		%		
CBN	0.0544		%		
CBT†	0.110		%		
Δ9-THC	0.275		%		
Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml†	1.75		mg/1ml		
CBD per 1ml	200		mg/1ml		
CBDV per 1ml†	0.680		mg/1ml		
CBE per 1ml†	1.47		mg/1ml		
CBG per 1ml†	0.719		mg/1ml		
CBL per 1ml†	0.0824		mg/1ml		
CBN per 1ml	0.523		mg/1ml		
CBT per 1ml†	1.06		mg/1ml		
Δ9-THC per 1ml	2.64		mg/1ml		

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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Product identity: 200mg/ml FS #21-0719-4

Client/Metric ID: .

Sample Date: 07/20/21

Laboratory ID: 21-008361-0001

Evidence of Cooling: Yes

Temp: 26.6 °C

Density: 0.9608 g/ml

Serving Size #1: 0.961 g

Density:

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2106619	Analyze: 7/26/21 2:57:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.182		%	0.0033	
CBC-A [†]	< LOQ		%	0.0033	
CBC-Total [†]	0.182		%	0.0062	
CBD	20.8		%	0.329	
CBD-A	< LOQ		%	0.0033	
CBD-Total	20.8		%	0.332	
CBDV [†]	0.0708		%	0.0033	
CBDV-A [†]	< LOQ		%	0.0033	
CBDV-Total [†]	0.0708		%	0.0061	
CBE [†]	0.153		%	0.0033	
CBG [†]	0.0748		%	0.0033	
CBG-A [†]	< LOQ		%	0.0033	
CBG-Total	0.0748		%	0.0061	
CBL [†]	0.00858		%	0.0033	
CBL-A [†]	< LOQ		%	0.0033	
CBL-Total [†]	0.00858		%	0.0062	
CBN	0.0544		%	0.0033	
CBT [†]	0.110		%	0.0033	
Δ8-THCV	< LOQ		%	0.0033	
Δ8-THC [†]	< LOQ		%	0.0033	
Δ9-THC	0.275		%	0.0033	
THC-A	< LOQ		%	0.0033	
THC-Total	0.275		%	0.0062	
THCV [†]	< LOQ		%	0.0033	
THCV-A [†]	< LOQ		%	0.0033	
THCV-Total [†]	< LOQ		%	0.0061	
Total Cannabinoids[†]	21.7		%		

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2106619	Analyze: 7/26/21 2:57:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml [†]	1.75		mg/1ml	0.0316	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.0316	



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Potency per 1ml **Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2106619 Analyze: 7/26/21 2:57:00 PM**

Analyte	Result	Limits	Units	LOQ	Notes
CBC-Total per 1ml [†]	1.75		mg/1ml	0.0594	
CBD per 1ml	200		mg/1ml	3.16	
CBD-A per 1ml	< LOQ		mg/1ml	0.0316	
CBD-Total per 1ml	200		mg/1ml	3.19	
CBDV per 1ml [†]	0.680		mg/1ml	0.0316	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBDV-Total per 1ml [†]	0.680		mg/1ml	0.0590	
CBE per 1ml [†]	1.47		mg/1ml	0.0316	
CBG per 1ml [†]	0.719		mg/1ml	0.0316	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBG-Total per 1ml [†]	0.719		mg/1ml	0.0590	
CBL per 1ml [†]	0.0824		mg/1ml	0.0316	
CBL-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
CBL-Total per 1ml [†]	0.0824		mg/1ml	0.0594	
CBN per 1ml	0.523		mg/1ml	0.0316	
CBT per 1ml [†]	1.06		mg/1ml	0.0316	
Δ8-THCV per 1ml [†]	< LOQ		mg/1ml	0.0316	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.0316	
Δ9-THC per 1ml	2.64		mg/1ml	0.0316	
exo-THC per 1ml [†]	< LOQ		mg/1ml	0.0316	
THC-A per 1ml	< LOQ		mg/1ml	0.0316	
THC-Total per 1ml	2.64		mg/1ml	0.0594	
THCV per 1ml [†]	< LOQ		mg/1ml	0.0316	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.0316	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	0.0594	
Total Cannabinoids per 1ml	209		mg/1ml		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2106525	07/25/03	AOAC 990.12 (Petrifilm)	X
E.coli	< LOQ		cfu/g	10	2106523	07/25/21	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	2106523	07/25/21	AOAC 991.14 (Petrifilm)	X
Staphylococcus aureus	< LOQ		cfu/g	10	2106526	07/24/21	AOAC 2003.07	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2106524	07/25/21	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2106524	07/25/21	AOAC 2014.05 (RAPID)	X
E. coli, O157:H7 (by PCR)	Negative	/25g			2106529	07/24/21	AOAC 2019.03	X
Listeria spp.	Negative	/25g			2106528	07/24/21	AOAC 2019.10	X
Salmonella spp. by PCR	Negative	/25g			2106527	07/24/21	AOAC 2020.02	X



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Solvents						Residual Solvents by GC/MS					Units µg/g		Batch 2106594		Analyze 07/26/21 09:18 AM			
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-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200									
2,3-Dimethyl butane	< 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								
Isopropyl benzene	< 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 2106667 Analyze 07/27/21 04:25 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		Fonicamid	< 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	0.0477	2106701	07/28/21	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0477	2106701	07/28/21	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.0477	2106701	07/28/21	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0238	2106701	07/28/21	AOAC 2013.06 (mod.)	X	



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Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aflatoxin B2 [†]	< LOQ		µg/kg	5.00	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Aflatoxin B1 [†]	< LOQ		µg/kg	5.00	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Aflatoxin G1 [†]	< LOQ		µg/kg	5.00	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Aflatoxin G2 [†]	< LOQ		µg/kg	5.00	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Deoxynivalenol [†]	< LOQ		µg/kg	200	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Fumonisin B1 [†]	< LOQ		µg/kg	200	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Fumonisin B2 [†]	< LOQ		µg/kg	200	2106653	07/27/21	AOAC 2007.01 & EN 15662	
HT2-Toxin [†]	< LOQ		µg/kg	40.0	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Nivalenol [†]	< LOQ		µg/kg	400	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Ochratoxin A [†]	< LOQ		µg/kg	5.00	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Ochratoxin B [†]	< LOQ		µg/kg	2.00	2106653	07/27/21	AOAC 2007.01 & EN 15662	
T2-Toxin [†]	< LOQ		µg/kg	20.0	2106653	07/27/21	AOAC 2007.01 & EN 15662	
Zearalenone [†]	< LOQ		µg/kg	200	2106653	07/27/21	AOAC 2007.01 & EN 15662	

Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Density	0.9608		g/ml	0.1000	2106666	07/27/21	DMA 35™	X



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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

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

/25g = Per 25g

cfu/g = Colony forming units per gram

g = Gram

g/ml = Gram per milliliter

µg/g = Microgram per gram

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

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

mg/1ml = Milligram per 1ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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Hemp Products
 Chain of Custody Record
 Revision: 0.00 Control#: CF002 Rev: 02/27/2020 Eff: 02/27/2020
 ORELAP ID: OR100028

ALLIANTHEMPLLC 21-008361



Alliant Hemp LLC

Company: Alliant Hemp LLC Contact: THIS TEXT REDACTED Street: 5434 River Road North #120 City: Keizer State: OR Zip: 97303 THIS TEXT REDACTED			Analysis Requested							PO Number: _____ Project Number: _____ Project Name: THIS TEXT REDACTED Custom Reporting: _____ Report to State - <input type="checkbox"/> Turn-around time: _____ Sampled by: _____			
Billing (if different) Valley Industrial Services LLC			H0010 - POTENCY	N223 - Density/Specific Gravity	P2120 - Pesticide - OR compliance	H0013 - Metals	H0040 - Mycotoxins	M9000 - Profile X	H0008 - Residual Solvents	Sample Type †	Report units (potency)	Serving size (edibles)	Comments/Metric ID
Lab ID	Client Sample Identification	Date											
	200mg/ml FS #21-0719-4	7/20/21	✓	✓	✓	✓	✓	✓	✓	T	mg/serving	1ml	THIS TEXT REDACTED
	50mg/ml FS #21-0719-5	7/20/21	✓	✓	✓	✓	✓	✓	✓	T	mg/serving	1ml	
Relinquished By: _____ Date: _____ Time: _____			Received by: <i>Jmw</i> Date: <i>7/22/21</i> Time: <i>10:54</i>			Lab Use Only: <input checked="" type="checkbox"/> Shipped Via: <i>UPS</i> or <input type="checkbox"/> Client drop off Evidence of cooling: <input checked="" type="checkbox"/> yes <input type="checkbox"/> No - Temp (°C): <i>21.6</i> Sample in good condition: <input checked="" type="checkbox"/> yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: Prelog storage: _____							

† - Sample type codes: Topicals (T); Edibles (E); Tincture (T); Bath Salts (S); Beverages (B)
 Report unit options: %; mg/g; mg/serving

Samples submitted to CL 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@columbiaboratories.com Page _____ of _____ www.columbiaboratories.com

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.

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430

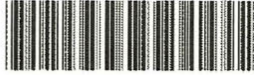


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ALLIANTHEMPLLC 21-008361



**Columbia Laboratories
Sample Receipt Form**

Revision: 2.00 Document Control: CF015
Revised: 01/11/2021 Effective: 03/16/2021

Job Number Alliant Hemp LLC

Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 7-22-21 Time: 10:54

Received By (Initials): JV Logged in by (Initials): _____ Date: _____ Time: _____

1) Were custody seals on outside of the package/cooler? YES NO NA
If YES, how many and where? _____

Does date match collection date on COC? _____ YES NO NA

2) Was Chain of Custody (COC) included in the package/cooler? YES NO NA

3) Was COC signed when relinquished and received? (time, date)? YES NO NA

4) How was the package/cooler delivered?
UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 1Z V89 F75 01 4080 8385

5) Was packing material used? YES NO NA

Peanuts Bubble Wrap Foam Paper Other:

6) Was temperature upon receipt 4°C- 2°C (if appropriate)? YES NO NA
If not, client contacted: _____
Proceed? YES NO

7) Was there evidence of cooling? YES NO NA
What kind?
Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? YES NO NA

9) Did all sample containers arrive in good condition? YES NO NA

10) Were all sample container labels complete? YES NO NA

11) Did all sample container labels and tags agree with the COC? YES NO NA

12) Were correct sample containers used for the tests indicated? YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO NA

14) Was a sufficient amount of sample sent in each sample container? YES NO NA

16) Sample location prior to login: R99 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: _____

Page ____ of ____



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



Report Number: 21-008361/D002.R000
Report Date: 07/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/22/21 10:54

Laboratory Quality Control Results

Batch ID: 2106594

Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		5	595	µg/g	8	0	30
Isobutane	ND	< 200		6	9	µg/g	8	3	0
Butane	ND	< 200		620	6	µg/g	8	5	0
2,2 Dimethylpropane	ND	< 200		8	3	955	µg/g	85	0
Methanol	ND	< 200		960	6	0	µg/g	2	0
Ethylene Oxide	ND	< 30		50	9	58	µg/g	8	3
2 Methylbutane	ND	< 200		590	6	0	µg/g	98	8
Pentane	ND	< 200		6	0	620	µg/g	99	0
Ethanol	ND	< 200		520	6	0	µg/g	9	0
Ethyl Ether	ND	< 200		920	6	0	µg/g	9	3
2,2 Dimethylbutane	ND	< 30		36	2		µg/g	9	0
Acetone	ND	< 200		660	600	µg/g		03	8
2 Propanol	ND	< 200		580	620	µg/g		9	5
Ethyl Formate	ND	< 500		80	6	0	µg/g	9	9
Acetonitrile	ND	< 00		5	9	50	µg/g	03	6
Methyl Acetate	ND	< 500		0	6	0	µg/g	9	3
2,3 Dimethylbutane	ND	< 30		9	63	µg/g		09	8
Dichloromethane	ND	< 60		38	83	µg/g		90	0
2 Methylpentane	ND	< 30		2	6	µg/g		86	6
M BE	ND	< 500		60	600	µg/g		9	3
3 Methylpentane	ND	< 30		80	6	µg/g		09	8
Hexane	ND	< 30		93	63	µg/g		8	0
Propanol	ND	< 500		0	620	µg/g		88	9
Methyl Ethyl Ketone	ND	< 500		330	6	0	µg/g	82	6
Ethyl Acetate	ND	< 200		830	6	0	µg/g	3	0
2 Butanol	ND	< 200		0	620	µg/g		0	0
tetrahydrofuran	ND	< 00		8	500	µg/g		9	0
Cyclohexane	ND	< 200		0	6	0	µg/g	89	0
2 methyl propanol	ND	< 500		0	6	0	µg/g	8	6
Benzene	ND	<		55	5	2	µg/g	83	9
Isopropyl Acetate	ND	< 200		620	600	µg/g		0	3
Heptane	ND	< 200		620	600	µg/g		0	3
Butanol	ND	< 500		2	0	620	µg/g	30	2
Propyl Acetate	ND	< 500		590	6	0	µg/g	98	8
Dioxane	ND	< 00		669	90	µg/g		36	5
2 Ethoxyethanol	ND	< 30		95	63	µg/g		9	6
Methylisobutylketone	ND	< 500		50	620	µg/g		89	5
3 Methyl butanol	ND	< 500		0	6	0	µg/g	9	3
Ethylene Glycol	ND	< 200		563	8	µg/g		6	3
oluene	ND	< 200		5	82	µg/g		9	2
Isobutyl Acetate	ND	< 500		200	620	µg/g		0	30
Pentanol	ND	< 500		0	620	µg/g		2	2
Butyl Acetate	ND	< 500		280	620	µg/g		9	0
Ethyl Benzene	ND	< 200		9	2	9	µg/g	9	0
m p Xylene	ND	< 200		8	3	99	µg/g	85	0
o Xylene	ND	< 200		936	96	µg/g		96	8
Cumene	ND	< 30		59	69	µg/g		9	0
Anisole	ND	< 500		550	6	0	µg/g	9	5
DMSO	ND	< 500		530	620	µg/g		9	0
2,2-dimethoxyethane	ND	< 50		26	62	µg/g		8	0
Diethylamine	ND	< 500		380	6	0	µg/g	85	0
N,N-dimethylformamide	ND	< 50		9	8	µg/g		0	0
N,N-dimethylacetamide	ND	< 50		5	2	92	µg/g	0	2
Picoline	ND	< 50		9	65	µg/g		2	0
Dichloroethylene	ND	<		0	5		µg/g	5	0
Chloroform	ND	<		0	5		µg/g	5	0
2,2-Dichloroethane	ND	<		0	3		µg/g	3	0



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



Report Number: 21-008361/D002.R000
Report Date: 07/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/22/21 10:54

QC Sample Duplicate Sample ID: 21 007808 0003

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 Dimeth Iopropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Eth lene 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	
Eth l Ester	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2 Dimeth Ibutane	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	
Eth l Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	00	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3 Dimeth Ibutane	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	
M BE	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	
Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methyleth ketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Eth l acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2 Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
etrahydrofuran	ND	ND	00	µg/g	0.0	< 20	Acceptable	
C clohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2 meth l propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND		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	
Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Dioxane	ND	ND	00	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 butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Eth lene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
olene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Eth lbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m p X lene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
p X lene	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	
2 d methoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
rieth lamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N N d meth lformamide	ND	ND	50	µg/g	0.0	< 20	Acceptable	
N N d meth acetamide	ND	ND	50	µg/g	0.0	< 20	Acceptable	
P ridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
n chloroethylene	ND	ND		µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND		µg/g	0.0	< 20	Acceptable	
2 Dichloroethane	ND	ND		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: 21-008361/D002.R000
Report Date: 07/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/22/21 10:54

Revision # 0 00 Con rol CFL D06
Revision Date 05/31/2019 Effective Date 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6							
Batch ID: 2106619							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.0100	0.01	%	100	85.0 - 115	Acceptable	
CBDV	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBE	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBD	0.0100	0.01	%	100	85.0 - 115	Acceptable	
CBGA	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBG	0.0102	0.01	%	102	85.0 - 115	Acceptable	
THCV	0.0102	0.01	%	102	85.0 - 115	Acceptable	
d8THCV	0.0101	0.01	%	101	85.0 - 115	Acceptable	
THCVA	0.00976	0.01	%	97.6	85.0 - 115	Acceptable	
CBN	0.0106	0.01	%	106	85.0 - 115	Acceptable	
exo-THC	0.00965	0.01	%	96.5	85.0 - 115	Acceptable	
d9THC	0.0104	0.01	%	104	85.0 - 115	Acceptable	
d8THC	0.00996	0.01	%	99.6	85.0 - 115	Acceptable	
CBL	0.00985	0.01	%	98.5	85.0 - 115	Acceptable	
CBC	0.0103	0.01	%	103	85.0 - 115	Acceptable	
THCA	0.00988	0.01	%	98.8	85.0 - 115	Acceptable	
CBCA	0.00979	0.01	%	97.9	85.0 - 115	Acceptable	
CBLA	0.0104	0.01	%	104	85.0 - 115	Acceptable	
CBT	0.0110	0.01	%	110	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	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: 21-008361/D002.R000
Report Date: 07/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/22/21 10:54

Revision # 0 00 Con rol CFL D06
Revision Da e 05/31/2019 Effec ive Da e 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2106619								
Sample Duplicate								
Sample D 21-008361-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0716	0.0706	0.003	%	1.36	< 20	Acceptable	
CBE	0.155	0.158	0.003	%	2.37	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0757	0.0751	0.003	%	0.760	< 20	Acceptable	
CBD	21.0	20.6	0.003	%	2.12	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0550	0.0540	0.003	%	1.92	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.278	0.275	0.003	%	1.38	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.00868	0.00817	0.003	%	6.12	< 20	Acceptable	
CBC	0.184	0.182	0.003	%	1.06	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.112	0.112	0.003	%	0.170	< 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

Units of Measure:

% - Percent



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



Report Number: 21-008361/D002.R000
Report Date: 07/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/22/21 10:54

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: 2106667				
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-008361-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	1.029	0.973	1.000	5.5%	< 30	102.9%	97.3%	50 - 150	
Acequinocyl	0.000	2.727	1.928	4.000	34.3%	< 30	68.2%	48.2%	50 - 150	R, Q
Acetamiprid	0.000	0.411	0.396	0.400	3.6%	< 30	102.8%	99.1%	50 - 150	
Aldicarb	0.000	0.797	0.959	0.800	18.4%	< 30	99.6%	119.9%	50 - 150	
Abamectin	0.000	0.991	1.008	1.000	1.7%	< 30	99.1%	100.8%	50 - 150	
Azoxystrobin	0.000	0.403	0.395	0.400	2.0%	< 30	100.7%	98.6%	50 - 150	
Bifenazate	0.000	0.441	0.430	0.400	2.7%	< 30	110.3%	107.4%	50 - 150	
Bifenthrin	0.000	0.361	0.452	0.400	22.5%	< 30	90.3%	113.1%	50 - 150	
Boscalid	0.000	0.811	0.746	0.800	8.4%	< 30	101.4%	93.2%	50 - 150	
Carbaryl	0.000	0.375	0.395	0.400	5.0%	< 30	93.8%	98.6%	50 - 150	
Carbofuran	0.000	0.429	0.384	0.400	11.1%	< 30	107.3%	96.0%	50 - 150	
Chlorantraniliprol	0.000	0.354	0.405	0.400	13.5%	< 30	88.6%	101.4%	50 - 150	
Chlorfenapyr	0.000	1.900	2.173	2.000	13.4%	< 30	95.0%	108.7%	50 - 150	
Chlorpyrifos	0.000	0.121	0.123	0.400	2.0%	< 30	30.2%	30.8%	50 - 150	Q
Clofentezine	0.000	0.371	0.377	0.400	1.6%	< 30	92.7%	94.2%	50 - 150	
Cyfluthrin	0.000	1.701	1.695	2.000	0.3%	< 30	85.0%	84.8%	30 - 150	
Cypermethrin	0.000	1.683	1.623	2.000	3.6%	< 30	84.2%	81.2%	50 - 150	
Daminozide	0.041	2.115	2.083	2.000	1.5%	< 30	103.7%	102.1%	30 - 150	
Diazinon	0.000	0.381	0.403	0.400	5.6%	< 30	95.3%	100.7%	50 - 150	
Dichlorvos	0.000	2.049	1.990	2.000	2.9%	< 30	102.5%	99.5%	50 - 150	
Dimethoat	0.000	0.395	0.398	0.400	0.9%	< 30	98.7%	99.6%	50 - 150	
Ethoprophos	0.000	0.379	0.385	0.400	1.6%	< 30	94.7%	96.2%	50 - 150	
Etofenprox	0.000	0.804	1.174	0.800	37.5%	< 30	100.4%	146.8%	50 - 150	R, Q
Etoxazol	0.000	0.426	0.406	0.400	4.7%	< 30	106.4%	101.5%	50 - 150	
Fenoxycarb	0.000	0.402	0.415	0.400	3.1%	< 30	100.6%	103.7%	50 - 150	
Fenpyroximat	0.000	0.793	0.858	0.800	7.9%	< 30	99.1%	107.3%	50 - 150	
Fipronil	0.000	0.804	0.758	0.800	6.0%	< 30	100.5%	94.7%	50 - 150	
Fonicamid	0.000	1.018	1.011	1.000	0.6%	< 30	101.8%	101.1%	50 - 150	
Fludioxonil	0.000	0.796	0.822	0.800	3.1%	< 30	99.6%	102.7%	50 - 150	
Hexythiazox	0.000	0.121	0.121	1.000	0.2%	< 30	12.1%	12.1%	50 - 150	Q
Imazalil	0.000	0.409	0.410	0.400	0.4%	< 30	102.2%	102.6%	50 - 150	
Imidacloprid	0.000	0.820	0.821	0.800	0.2%	< 30	102.5%	102.7%	50 - 150	
Kresoxim-Methyl	0.000	0.833	0.811	0.800	2.8%	< 30	104.2%	101.3%	50 - 150	
Malathion	0.000	0.417	0.413	0.400	0.9%	< 30	104.1%	103.2%	50 - 150	
Metaxyl	0.000	0.406	0.410	0.400	0.8%	< 30	101.6%	102.4%	50 - 150	
Methiocarb	0.000	0.394	0.383	0.400	2.7%	< 30	98.5%	95.9%	50 - 150	
Methomyl	0.000	0.808	0.795	0.800	1.7%	< 30	101.1%	99.3%	50 - 150	
MGK 264	0.000	0.325	0.332	0.400	2.1%	< 30	81.3%	83.0%	50 - 150	
Myclobutanil	0.000	0.429	0.422	0.400	1.6%	< 30	107.2%	105.5%	50 - 150	
Naled	0.000	0.926	0.969	1.000	4.5%	< 30	92.6%	96.9%	50 - 150	
Oxamyl	0.000	2.013	2.059	2.000	2.3%	< 30	100.7%	103.0%	50 - 150	
Paclobutrazol	0.000	0.828	0.809	0.800	2.3%	< 30	103.5%	101.1%	50 - 150	
Parathion Methyl	0.000	0.733	0.780	0.800	6.2%	< 30	91.6%	97.5%	30 - 150	
Permethrin	0.000	0.349	0.404	0.400	14.7%	< 30	87.2%	101.0%	50 - 150	
Phosmet	0.000	0.396	0.415	0.400	4.7%	< 30	99.1%	103.8%	50 - 150	
Piperonyl butoxide	0.000	2.025	2.432	2.000	18.3%	< 30	101.2%	121.6%	50 - 150	
Prallethrin	0.000	0.301	0.282	0.400	6.4%	< 30	75.1%	70.4%	50 - 150	
Propiconazole	0.000	0.830	0.823	0.800	0.8%	< 30	103.7%	102.9%	50 - 150	
Propoxur	0.000	0.376	0.401	0.400	6.3%	< 30	94.0%	100.2%	50 - 150	
Pyrethrins	0.000	0.466	0.499	0.413	6.9%	< 30	112.9%	120.9%	50 - 150	
Pyridaben	0.000	0.212	0.206	0.400	2.8%	< 30	53.0%	51.5%	50 - 150	
Spinosad	0.000	0.398	0.397	0.388	0.3%	< 30	102.5%	102.3%	50 - 150	
Spiromesifen	0.000	0.397	0.373	0.400	6.2%	< 30	99.1%	93.2%	50 - 150	
Spirotetramat	0.000	0.414	0.405	0.400	2.1%	< 30	103.4%	101.2%	50 - 150	
Spiroxamine	0.000	0.792	0.765	0.800	3.6%	< 30	99.0%	95.6%	50 - 150	
Tebuconazol	0.000	0.792	0.813	0.800	2.6%	< 30	99.0%	101.6%	50 - 150	
Thiadoprid	0.000	0.390	0.394	0.400	1.0%	< 30	97.4%	98.4%	50 - 150	
Thiamethoxam	0.000	0.395	0.398	0.400	0.7%	< 30	98.8%	99.5%	50 - 150	
Trifloxystrobin	0.000	0.410	0.393	0.400	4.1%	< 30	102.4%	98.3%	50 - 150	



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 503-254-1794

Report Number: 21-008361/D002.R000
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 ORELAP#: OR100028
 Purchase Order:
 Received: 07/22/21 10:54



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: 2106667				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
				1.019	1.000	101.9	68.6 - 127	
Acephate	0.028	< 0.250		3.489	4.000	87.2	68.3 - 127	
Acequinocyl	0.000	< 1.000		0.398	0.400	99.6	69.8 - 130	
Acetamiprid	0.000	< 0.100		0.775	0.800	96.9	71.8 - 133	
Aldicarb	0.000	< 0.200		0.996	1.000	99.6	70.0 - 130	
Abamectin	0.000	< 0.250		0.395	0.400	98.8	68.8 - 128	
Azoxystrobin	0.000	< 0.100		0.402	0.400	100.5	73.0 - 136	
Bifenazate	0.000	< 0.100		0.391	0.400	97.8	69.0 - 128	
Bifenthrin	0.000	< 0.100		0.715	0.800	89.4	69.6 - 129	
Boscalid	0.000	< 0.200		0.413	0.400	103.2	69.1 - 128	
Carbaryl	0.000	< 0.100		0.357	0.400	89.2	70.1 - 130	
Carbofuran	0.000	< 0.100		0.368	0.400	92.0	70.4 - 131	
Chlorantraniliprol	0.000	< 0.100		1.870	2.000	93.5	69.4 - 129	
Chlorfenapyr	0.000	< 0.500		0.380	0.400	95.1	68.3 - 127	
Chlorpyrifos	0.000	< 0.100		0.393	0.400	98.3	69.3 - 129	
Clofentezine	0.000	< 0.100		2.043	2.000	102.2	70.1 - 130	
Cyfluthrin	0.000	< 0.500		1.916	2.000	95.8	69.9 - 130	
Cypermethrin	0.000	< 0.500		2.003	2.000	100.1	70.9 - 132	
Daminozide	0.042	< 0.500		0.397	0.400	99.2	69.1 - 128	
Diazinon	0.000	< 0.100		2.002	2.000	100.1	67.3 - 125	
Dichlorvos	0.000	< 0.500		0.393	0.400	98.3	69.7 - 129	
Dimethoat	0.000	< 0.100		0.387	0.400	96.8	68.7 - 128	
Ethoprophos	0.000	< 0.100		1.164	0.800	145.5	69.5 - 129	Q1
Etofenprox	0.000	< 0.200		0.395	0.400	98.8	68.6 - 127	
Etoxazol	0.000	< 0.100		0.392	0.400	97.9	69.1 - 128	
Fenoxycarb	0.000	< 0.100		0.826	0.800	103.2	69.3 - 129	
Fenpyroximat	0.000	< 0.200		0.775	0.800	96.9	71.0 - 132	
Fipronil	0.000	< 0.200		0.969	1.000	96.9	69.6 - 129	
Flonicamid	0.000	< 0.250		0.764	0.800	95.4	71.1 - 132	
Fludoxonil	0.000	< 0.200		0.985	1.000	98.5	68.1 - 126	
Hexythiazox	0.000	< 0.250		0.407	0.400	101.8	71.4 - 133	
Imazalil	0.000	< 0.100		0.807	0.800	100.9	68.6 - 127	
Imidacloprid	0.000	< 0.200		0.824	0.800	103.0	69.2 - 128	
Kresoxim-Methyl	0.000	< 0.200		0.385	0.400	96.2	68.7 - 128	
Malathion	0.000	< 0.100		0.414	0.400	103.4	69.3 - 129	
Metaxalyl	0.000	< 0.100		0.375	0.400	93.8	69.2 - 128	
Methiocarb	0.000	< 0.100		0.793	0.800	99.1	69.3 - 129	
Methomyl	0.000	< 0.200		0.390	0.400	97.5	68.6 - 127	
MGK 264	0.000	< 0.100		0.413	0.400	103.2	69.1 - 128	
Myclobutanil	0.000	< 0.100		0.988	1.000	98.8	70.7 - 131	
Naled	0.000	< 0.250		1.941	2.000	97.1	70.0 - 130	
Oxamyl	0.000	< 0.500		0.816	0.800	102.0	69.7 - 130	
Paclobutrazol	0.000	< 0.200		0.867	0.800	108.4	70.7 - 131	
Parathion Methyl	0.000	< 0.200		0.339	0.400	84.8	69.0 - 128	
Permethrin	0.000	< 0.100		0.409	0.400	102.3	68.8 - 128	
Phosmet	0.000	< 0.100		1.946	2.000	97.3	69.2 - 128	
Piperonyl butoxide	0.000	< 0.500		0.381	0.400	95.2	69.8 - 130	
Prallethrin	0.000	< 0.100		0.812	0.800	101.5	69.3 - 129	
Propiconazole	0.000	< 0.200		0.389	0.400	97.3	68.7 - 128	
Propoxur	0.000	< 0.100		0.431	0.413	104.4	67.5 - 125	
Pyrethrins	0.000	< 0.100		0.388	0.400	96.9	68.6 - 127	
Pyridaben	0.000	< 0.100		0.394	0.388	101.4	72.0 - 134	
Spinosad	0.000	< 0.100		0.403	0.400	100.8	69.9 - 130	
Spiromesifen	0.000	< 0.100		0.398	0.400	99.5	69.3 - 129	
Spirotetramat	0.000	< 0.100		0.772	0.800	96.5	67.7 - 126	
Spiroxamine	0.000	< 0.200		0.766	0.800	95.8	69.4 - 129	
Tebuconazol	0.000	< 0.200		0.401	0.400	100.2	68.6 - 127	
Thiadoprid	0.000	< 0.100		0.372	0.400	93.0	69.2 - 129	
Thiamethoxam	0.000	< 0.100		0.380	0.400	95.1	69.0 - 128	
Trifloxystrobin	0.000	< 0.100						



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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.