



## TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>Batch Date:</b> 09/13/2021	<b>Batch #:</b> 21-0913-4	NR: Not Reported NA: Not Applicable
<b>Product Name:</b> 24,000 MG Full-Spectrum CBD Oil Drops (200mg/ml)		LOQ: Limit Of Quantitation LOD: Limit Of Detection
<b>Expiration Date:</b> 09/13/2023	<b>Batch Size:</b> 504 Units	1 g = 10 <sup>-3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg
<b>Testing Lab:</b> Columbia Labs	<b>ORELAP Lab #:</b> OR100028	

POTENCY <b>PASS</b>	Per Serving	Total Percent	Regulatory Action Level
Cannabidiol (CBD)	212 mg	22.00 %	N/A
Total THC (d9-THC + d8-THC)	2.41 mg	0.250 %	0.3%
Cannabigerol (CBG)	1.04 mg	0.108 %	N/A
Cannabinol (CBN)	0.50 mg	0.052 %	N/A
Cannabichromene (CBC)	2.09 mg	0.217 %	N/A

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

PESTICIDES <b>PASS</b>	Regulatory Action Level
ZERO of 59 pesticides tested found above limit of detection in the sample.	10 ppb <sup>[3]</sup>

RESIDUAL SOLVENTS <b>PASS</b>
ZERO of 38 residual solvents tested found above limit of detection in the sample.

MICROBIAL <b>PASS</b>	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/mrlslist.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:** 21-010801/D004.R000  
**Report Date:** 09/30/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/14/21 16:28

**Customer:** Alliant Hemp LLC  
**Product identity:** 200mg/ml FS #21-0913-4  
**Client/Metric ID:** .  
**Laboratory ID:** 21-010801-0001

**Summary**

**Potency:**

Analyte	Result	Limits	Units	Status	
CBC	0.217		%		CBD-Total per 1ml 212 mg/1ml
CBD	22.0		%		
CBDV <sup>+</sup>	0.116		%		THC-Total per 1ml 2.41 mg/1ml
CBE <sup>+</sup>	0.240		%		(Reported in milligrams per serving)
CBG <sup>+</sup>	0.108		%		
CBL <sup>+</sup>	0.0136		%		
CBN	0.0521		%		
CBT <sup>+</sup>	0.287		%		
Δ9-THC	0.250		%		
Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml <sup>†</sup>	2.09		mg/1ml		
CBD per 1ml	212		mg/1ml		
CBDV per 1ml <sup>†</sup>	1.12		mg/1ml		
CBE per 1ml <sup>†</sup>	2.31		mg/1ml		
CBG per 1ml <sup>†</sup>	1.04		mg/1ml		
CBL per 1ml <sup>†</sup>	0.131		mg/1ml		
CBN per 1ml	0.502		mg/1ml		
CBT per 1ml <sup>†</sup>	2.76		mg/1ml		
Δ9-THC per 1ml	2.41		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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**Customer:** Alliant Hemp LLC

**Product identity:** 200mg/ml FS #21-0913-4

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 21-010801-0001

**Results do not meet NE n**

**Chlorinated:** j

**Evidence of Cooling:** No

**Temp:** 27.9 °C

**Relinquished by:** UPS

**Density:** 0.9629 g/ml

**Serving Size #1:** 0.963 g

**Serving Size #1:** 0.963 g

**Density:** 0.9630 g/ml

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2108508	Analyze: 9/22/21 1:13:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.217		%	0.0033	
CBC-A <sup>†</sup>	< LOQ		%	0.0033	
CBC-Total <sup>†</sup>	0.217		%	0.0061	
CBD	22.0		%	0.326	
CBD-A	< LOQ		%	0.0033	
CBD-Total	22.0		%	0.328	
CBDV <sup>†</sup>	0.116		%	0.0033	
CBDV-A <sup>†</sup>	< LOQ		%	0.0033	
CBDV-Total <sup>†</sup>	0.116		%	0.0061	
CBE <sup>†</sup>	0.240		%	0.0033	
CBG <sup>†</sup>	0.108		%	0.0033	
CBG-A <sup>†</sup>	< LOQ		%	0.0033	
CBG-Total	0.108		%	0.0061	
CBL <sup>†</sup>	0.0136		%	0.0033	
CBL-A <sup>†</sup>	< LOQ		%	0.0033	
CBL-Total <sup>†</sup>	0.0136		%	0.0061	
CBN	0.0521		%	0.0033	
CBT <sup>†</sup>	0.287		%	0.0033	
Δ8-THCV	< LOQ		%	0.0033	
Δ8-THC <sup>†</sup>	< LOQ		%	0.0033	
Δ9-THC	0.250		%	0.0033	
THC-A	< LOQ		%	0.0033	
THC-Total	0.250		%	0.0061	
THCV <sup>†</sup>	< LOQ		%	0.0033	
THCV-A <sup>†</sup>	< LOQ		%	0.0033	
THCV-Total <sup>†</sup>	< LOQ		%	0.0061	
<b>Total Cannabinoids<sup>†</sup></b>	<b>23.3</b>		<b>%</b>		





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Potency per 1ml Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2108508 Analyze: 9/22/21 1:13:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml†	2.09		mg/1ml	0.0314	
CBC-A per 1ml†	< LOQ		mg/1ml	0.0314	
CBC-Total per 1ml†	2.09		mg/1ml	0.0589	
CBD per 1ml	212		mg/1ml	3.14	
CBD-A per 1ml	< LOQ		mg/1ml	0.0314	
CBD-Total per 1ml	212		mg/1ml	3.16	
CBDV per 1ml†	1.12		mg/1ml	0.0314	
CBDV-A per 1ml†	< LOQ		mg/1ml	0.0314	
CBDV-Total per 1ml†	1.12		mg/1ml	0.0585	
CBE per 1ml†	2.31		mg/1ml	0.0314	
CBG per 1ml†	1.04		mg/1ml	0.0314	
CBG-A per 1ml†	< LOQ		mg/1ml	0.0314	
CBG-Total per 1ml†	1.04		mg/1ml	0.0585	
CBL per 1ml†	0.131		mg/1ml	0.0314	
CBL-A per 1ml†	< LOQ		mg/1ml	0.0314	
CBL-Total per 1ml†	0.131		mg/1ml	0.0589	
CBN per 1ml	0.502		mg/1ml	0.0314	
CBT per 1ml†	2.76		mg/1ml	0.0314	
Δ8-THCV per 1ml†	< LOQ		mg/1ml	0.0314	
Δ8-THC per 1ml†	< LOQ		mg/1ml	0.0314	
Δ9-THC per 1ml	2.41		mg/1ml	0.0314	
exo-THC per 1ml†	< LOQ		mg/1ml	0.0314	
THC-A per 1ml	< LOQ		mg/1ml	0.0314	
THC-Total per 1ml	2.41		mg/1ml	0.0589	
THCV per 1ml†	< LOQ		mg/1ml	0.0314	
THCV-A per 1ml†	< LOQ		mg/1ml	0.0314	
THCV-Total per 1ml†	< LOQ		mg/1ml	0.0589	
Total Cannabinoids per 1ml	224		mg/1ml		

**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2108579	09/26/21	AOAC 990.12 (Petrifilm)		X
E.coli	< LOQ		cfu/g	10	2108577	09/26/21	AOAC 991.14 (Petrifilm)		X
Total Coliforms	< LOQ		cfu/g	10	2108577	09/26/21	AOAC 991.14 (Petrifilm)		X
Staphylococcus aureus	< LOQ		cfu/g	10	2108581	09/25/21	AOAC 2003.07		X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2108578	09/26/21	AOAC 2014.05 (RAPID)		X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2108578	09/26/21	AOAC 2014.05 (RAPID)		X
E. coli, O157:H7 (by PCR)	Negative	/25g			2108585	09/25/21	AOAC 2019.03		X
Listeria spp.	Negative	/25g			2108584	09/25/21	AOAC 2019.10		X
Salmonella spp. by PCR	Negative	/25g			2108583	09/25/21	AOAC 2020.02		X



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Solvents						Method Residual Solvents by GC/MS					Units µg/g	Batch 2108743	Analyze 09/29/21 12:38 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-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 2108685 Analyze 09/27/21 03:51 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	Status	Notes	
Arsenic	< LOQ		mg/kg	0.0461	2108777	09/29/21	AOAC 2013.06 (mod.)		X	
Cadmium	< LOQ		mg/kg	0.0461	2108777	09/29/21	AOAC 2013.06 (mod.)		X	
Lead	< LOQ		mg/kg	0.0461	2108777	09/29/21	AOAC 2013.06 (mod.)		X	
Mercury	< LOQ		mg/kg	0.0231	2108777	09/29/21	AOAC 2013.06 (mod.)		X	

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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**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aflatoxin B2 <sup>†</sup>	< LOQ		µg/kg	5.00	2108691	09/27/21	AOAC 2007.01 & EN 15		
Aflatoxin B1 <sup>†</sup>	< LOQ		µg/kg	5.00	2108691	09/27/21	AOAC 2007.01 & EN 15		
Aflatoxin G1 <sup>†</sup>	< LOQ		µg/kg	5.00	2108691	09/27/21	AOAC 2007.01 & EN 15		
Aflatoxin G2 <sup>†</sup>	< LOQ		µg/kg	5.00	2108691	09/27/21	AOAC 2007.01 & EN 15		
Deoxynivalenol <sup>†</sup>	< LOQ		µg/kg	200	2108691	09/27/21	AOAC 2007.01 & EN 15		
Fumonisin B1 <sup>†</sup>	< LOQ		µg/kg	200	2108691	09/27/21	AOAC 2007.01 & EN 15		
Fumonisin B2 <sup>†</sup>	< LOQ		µg/kg	200	2108691	09/27/21	AOAC 2007.01 & EN 15		
HT2-Toxin <sup>†</sup>	< LOQ		µg/kg	40.0	2108691	09/27/21	AOAC 2007.01 & EN 15		
Nivalenol <sup>†</sup>	< LOQ		µg/kg	400	2108691	09/27/21	AOAC 2007.01 & EN 15		
Ochratoxin A <sup>†</sup>	< LOQ		µg/kg	5.00	2108691	09/27/21	AOAC 2007.01 & EN 15		
Ochratoxin B <sup>†</sup>	< LOQ		µg/kg	2.00	2108691	09/27/21	AOAC 2007.01 & EN 15		
T2-Toxin <sup>†</sup>	< LOQ		µg/kg	20.0	2108691	09/27/21	AOAC 2007.01 & EN 15		
Zearalenone <sup>†</sup>	< LOQ		µg/kg	200	2108691	09/27/21	AOAC 2007.01 & EN 15		

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Density	0.9629		g/ml	0.1000	2108366	09/17/21	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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21-010801



Hemp / Cannabis Usable / Extract / Finished Products

Chain of Custody Record

Document Control ID: 2732 Revision: 1  
 Effective: 05/04/2021  
 ORELAP ID: OR100028

Company: Alliant Hemp Contact: THIS TEXT REDACTED Street: 5434 River Road North #120 City: Keizer State: OR Zip: 97303 <input checked="" type="checkbox"/> Email Results: THIS TEXT REDACTED Ph: (503) 516-4622 <input type="checkbox"/> Fx Results: ( ) Billing (if different): THIS TEXT REDACTED				Analysis Requested H0010 - POTENCY N223 - Density/Specific Gravity P212D - Pesticide - DR compliance H0013 - Metals H0040 - Mycotoxins M9000 - Profile X H0008 - Residual Solvents						PO Number: _____ Project Number: _____ Project Name: THIS TEXT REDACTED Custom Reporting: <u>Please report potency in mg/ml as well as %</u> Report to State: <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround <input type="checkbox"/> 3 Business Day Rush Turnaround* <input checked="" type="checkbox"/> 2 Business Day Rush Turnaround* <i>*Check for availability</i>			
Lab ID	Client Sample Identification	Date	Time	H0010	N223	P212D	H0013	H0040	M9000	H0008	Sample Type †	Weight (Units)	Comments/Metric ID
	200mg/ml FS #21-0913-4	9-13-21	3:15	✓	✓	✓	✓	✓	✓	✓	T	1ml	THIS TEXT REDACTED
Relinquished By:			Date	Time	Received By:			Date	Time	Lab Use Only:			
THIS TEXT REDACTED			9-13-21	3:15	DS			9/14/21	16:28	<input checked="" type="checkbox"/> Shipped Via: <u>UPS</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>27.9°C</u> 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: 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

P: (503) 254-1794 | Fax: (503) 254-1452

Page \_\_\_\_\_ of \_\_\_\_\_  
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12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794

Report Number: 21-010801/D004.R000  
Report Date: 09/30/2021  
ORELAP#: OR100028  
Purchase Order:  
Received: 09/14/21 16:28



Document ID: 3177 Revision: 2  
Effective: 06/25/2021  
Page 1 of 1

Job Number: \_\_\_\_\_ Search Name: \_\_\_\_\_

Package/Cooler opened on (if different than received date/time) Date: 9/14/21 Time: 16:28

Received By (Initials): DS 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 F7S 03 4585 0307

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: 27.9°C NO sample labels



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

Laboratory Quality Control Results

JAOAC2015 V98-6							
Batch ID 2108368							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.00949	0.01	%	94.9	85.0 - 115	Acceptable	
CBDV	0.0105	0.01	%	105	85.0 - 115	Acceptable	
CBE	0.00974	0.01	%	97.4	85.0 - 115	Acceptable	
CBDA	0.00956	0.01	%	95.6	85.0 - 115	Acceptable	
CBGA	0.00959	0.01	%	95.9	85.0 - 115	Acceptable	
CBG	0.0109	0.01	%	109	85.0 - 115	Acceptable	
CBD	0.00952	0.01	%	95.2	85.0 - 115	Acceptable	
THCV	0.00997	0.01	%	99.7	85.0 - 115	Acceptable	
d8THCV	0.00952	0.01	%	95.2	85.0 - 115	Acceptable	
THCVA	0.00928	0.01	%	92.8	85.0 - 115	Acceptable	
CBN	0.0101	0.01	%	101	85.0 - 115	Acceptable	
exo-THC	0.00906	0.01	%	90.6	85.0 - 115	Acceptable	
d9THC	0.00985	0.01	%	98.5	85.0 - 115	Acceptable	
d8THC	0.0103	0.01	%	103	85.0 - 115	Acceptable	
CBL	0.00932	0.01	%	93.2	85.0 - 115	Acceptable	
CBC	0.0104	0.01	%	104	85.0 - 115	Acceptable	
THCA	0.00982	0.01	%	98.2	85.0 - 115	Acceptable	
CBCA	0.00961	0.01	%	96.1	85.0 - 115	Acceptable	
CBLA	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBT	0.0106	0.01	%	106	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	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<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





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

Laboratory Quality Control Results

JAOAC2015 V98-6								
Sample Duplicate								
Batch ID 2108368								
Sample ID 21-010769-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.00446	0.00456	0.003	%	2.26	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.902	0.896	0.003	%	0.744	< 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	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 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	<LOQ	<LOQ	0.003	%	NA	< 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



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Revision Document D  
 Legacy D Effective

**Laboratory Quality Control Results**

J AOAC 2015 V98-6							
Batch ID: 2108508							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.00922	0.01	%	92.2	85.0 - 115	Acceptable	
CBDV	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBE	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBDA	0.00987	0.01	%	98.7	85.0 - 115	Acceptable	
CBGA	0.00940	0.01	%	94.0	85.0 - 115	Acceptable	
CBG	0.00999	0.01	%	99.9	85.0 - 115	Acceptable	
CBD	0.00965	0.01	%	96.5	85.0 - 115	Acceptable	
THCV	0.00979	0.01	%	97.9	85.0 - 115	Acceptable	
d8THCV	0.00998	0.01	%	99.8	85.0 - 115	Acceptable	
THCVA	0.00920	0.01	%	92.0	85.0 - 115	Acceptable	
CBN	0.0103	0.01	%	103	85.0 - 115	Acceptable	
exo-THC	0.00956	0.01	%	95.6	85.0 - 115	Acceptable	
d9THC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
d8THC	0.0106	0.01	%	106	85.0 - 115	Acceptable	
CBL	0.00924	0.01	%	92.4	85.0 - 115	Acceptable	
CBC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
THCA	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBCA	0.00952	0.01	%	95.2	85.0 - 115	Acceptable	
CBLA	0.0107	0.01	%	107	85.0 - 115	Acceptable	
CBT	0.0107	0.01	%	107	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	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<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	

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Revision Document  
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**Laboratory Quality Control Results**

J AOAC 2015 V98-6								
Batch ID: 2108508								
Sample Duplicate								
Sample D 21-010920-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0363	0.0363	0.003	%	0.112	< 20	Acceptable	
CBE	0.0657	0.0656	0.003	%	0.208	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.122	0.123	0.003	%	0.587	< 20	Acceptable	
CBD	6.83	6.92	0.003	%	1.28	< 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	0.0255	0.0255	0.003	%	0.190	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.177	0.177	0.003	%	0.0517	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	0.00415	0.00463	0.003	%	11.0	< 20	Acceptable	
CBC	0.256	0.255	0.003	%	0.442	< 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	0.0836	0.0854	0.003	%	2.16	< 20	Acceptable	

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Revision: Document ID:  
 Legacy ID: Effective:

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2108685				
Method blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Accephate	0.000	< 0.250		0.951	1.000	95.1	70.0 - 130	
Acequinocyl	0.000	< 1.000		2.897	4.000	72.4	71.0 - 132	
Acetamiprid	0.000	< 0.100		0.383	0.400	95.8	70.6 - 131	
Aldicarb	0.000	< 0.200		0.826	0.800	103.3	73.2 - 136	
Abamectin	0.000	< 0.250		1.398	1.000	139.8	71.2 - 132	Q1
Azoxystrobin	0.000	< 0.100		0.400	0.400	100.0	69.9 - 130	
Bifenazate	0.000	< 0.100		0.430	0.400	107.5	74.3 - 138	
Bifenthrin	0.011	< 0.100		0.367	0.400	91.9	69.5 - 129	
Boscalid	0.000	< 0.200		0.754	0.800	94.3	70.0 - 130	
Carbaryl	0.005	< 0.100		0.386	0.400	96.5	70.3 - 130	
Carbofuran	0.005	< 0.100		0.385	0.400	96.4	71.9 - 133	
Chlorantraniliprol	0.000	< 0.100		0.430	0.400	107.4	71.0 - 132	
Chlorfenapyr	0.053	< 0.500		1.869	2.000	93.4	70.9 - 132	
Chlorpyrifos	0.050	< 0.100		0.315	0.400	78.7	68.8 - 128	
Clofentezine	0.000	< 0.100		0.385	0.400	96.2	69.7 - 130	
Cyfluthrin	0.000	< 0.500		2.271	2.000	113.5	71.6 - 133	
Cypermethrin	0.000	< 0.500		1.861	2.000	93.0	71.1 - 132	
Daminozide	0.000	< 0.500		2.003	2.000	100.1	71.8 - 133	
Diazinon	0.003	< 0.100		0.420	0.400	105.0	69.9 - 130	
Dichlorvos	0.000	< 0.500		2.011	2.000	100.6	68.5 - 127	
Dimethoat	0.000	< 0.100		0.387	0.400	96.8	70.6 - 131	
Ethoprophos	0.000	< 0.100		0.367	0.400	91.8	69.5 - 129	
Etofenprox	0.000	< 0.200		0.812	0.800	101.5	71.7 - 133	
Etoxazol	0.000	< 0.100		0.392	0.400	98.1	70.5 - 131	
Fenoxycarb	0.000	< 0.100		0.380	0.400	95.0	69.9 - 130	
Fenpyroximat	0.000	< 0.200		0.766	0.800	95.7	70.6 - 131	
Fipronil	0.000	< 0.200		0.786	0.800	98.3	71.9 - 133	
Flonicamid	0.000	< 0.250		0.966	1.000	96.6	70.5 - 131	
Fludioxonil	0.000	< 0.200		0.813	0.800	101.7	73.3 - 136	
Hexythiazox	0.000	< 0.250		0.943	1.000	94.3	69.1 - 128	
Imazalil	0.000	< 0.100		0.410	0.400	102.5	72.3 - 134	
Imidacloprid	0.000	< 0.200		0.796	0.800	99.5	69.8 - 130	
Kresoxim-Methyl	0.000	< 0.200		0.778	0.800	97.2	70.1 - 130	
Malathion	0.004	< 0.100		0.398	0.400	99.5	69.6 - 129	
Metaxyl	0.000	< 0.100		0.400	0.400	100.1	70.6 - 131	
Methiocarb	0.000	< 0.100		0.435	0.400	108.7	70.2 - 130	
Methomyl	0.000	< 0.200		0.799	0.800	99.8	69.7 - 129	
MKG 264	0.000	< 0.100		0.381	0.400	95.3	69.7 - 129	
Myclobutanil	0.000	< 0.100		0.392	0.400	98.1	70.2 - 130	
Naled	0.000	< 0.250		1.089	1.000	108.9	72.0 - 134	
Oxamyl	0.000	< 0.500		2.133	2.000	106.7	70.7 - 131	
Pachobutrazol	0.000	< 0.200		0.768	0.800	96.0	70.5 - 131	
Parathion Methyl	0.000	< 0.200		0.823	0.800	102.9	71.8 - 133	
Permethrin	0.000	< 0.100		0.414	0.400	103.5	70.0 - 130	
Phosmet	0.000	< 0.100		0.390	0.400	97.5	69.8 - 130	
Piperonyl butoxide	0.036	< 0.500		1.952	2.000	97.6	72.5 - 135	
Prallethrin	0.000	< 0.100		0.365	0.400	91.2	70.7 - 131	
Propiconazole	0.000	< 0.200		0.777	0.800	97.1	70.2 - 130	
Propoxur	0.006	< 0.100		0.375	0.400	93.6	69.9 - 130	
Pyrethrins	0.000	< 0.100		0.348	0.413	84.3	69.2 - 129	
Pyridaben	0.000	< 0.100		0.392	0.400	98.0	69.8 - 130	
Spinosad	0.000	< 0.100		0.392	0.388	101.0	72.5 - 135	
Spiromesifen	0.000	< 0.100		0.401	0.400	100.1	71.3 - 132	
Spirotetramat	0.000	< 0.100		0.386	0.400	96.5	70.4 - 131	
Spiroxamine	0.000	< 0.200		0.779	0.800	97.4	68.5 - 127	
Tebuconazol	0.000	< 0.200		0.737	0.800	92.1	70.0 - 130	
Thiadenozol	0.000	< 0.100		0.391	0.400	97.8	69.8 - 130	
Thiamethoxam	0.000	< 0.100		0.378	0.400	94.5	69.7 - 129	
Trifloxystrobin	0.008	< 0.100		0.383	0.400	95.6	70.6 - 131	



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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID: 2108685				
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-011109-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.851	0.842	1.000	1.0%	< 30	85.1%	84.2%	50 - 150	
Acetaminophen	0.000	2.970	1.846	4.000	46.7%	< 30	74.2%	46.2%	50 - 150	R, Q
Acetamiprid	0.000	0.371	0.357	0.400	3.8%	< 30	92.8%	89.4%	50 - 150	
Aldicarb	0.000	0.820	0.736	0.800	10.8%	< 30	102.6%	92.0%	50 - 150	
Abamectin	0.000	0.905	0.790	1.000	13.6%	< 30	90.5%	79.0%	50 - 150	
Azoxystrobin	0.010	0.363	0.352	0.400	3.1%	< 30	88.2%	85.5%	50 - 150	
Bifenazate	0.000	0.444	0.421	0.400	5.3%	< 30	110.9%	105.2%	50 - 150	
Bifenthrin	0.000	0.265	0.267	0.400	0.6%	< 30	66.2%	66.6%	50 - 150	
Boscalid	0.000	0.727	0.743	0.800	2.2%	< 30	90.8%	92.9%	50 - 150	
Carbaryl	0.000	0.353	0.336	0.400	4.7%	< 30	88.2%	84.1%	50 - 150	
Carbofuran	0.000	0.358	0.320	0.400	11.1%	< 30	89.4%	80.0%	50 - 150	
Chlorantraniliprol	0.000	0.402	0.360	0.400	11.2%	< 30	100.6%	89.9%	50 - 150	
Chlorfenapyr	0.000	2.168	1.862	2.000	15.2%	< 30	108.4%	93.1%	50 - 150	
Chlorpyrifos	0.000	0.085	0.048	0.400	55.3%	< 30	21.2%	12.0%	50 - 150	R, Q
Clofentezine	0.000	0.362	0.303	0.400	17.8%	< 30	90.6%	75.8%	50 - 150	
Cyfluthrin	0.000	1.495	1.474	2.000	1.4%	< 30	74.8%	73.7%	30 - 150	
Cypermethrin	0.000	1.651	1.661	2.000	0.6%	< 30	82.6%	83.1%	50 - 150	
Daminozide	0.100	1.416	1.298	2.000	9.3%	< 30	65.8%	59.9%	30 - 150	
Diazinon	0.000	0.386	0.367	0.400	4.9%	< 30	96.4%	91.8%	50 - 150	
Dichlorvos	0.000	1.928	1.743	2.000	10.1%	< 30	96.4%	87.2%	50 - 150	
Dimethoat	0.007	0.387	0.371	0.400	4.2%	< 30	94.9%	91.0%	50 - 150	
Ethoprophos	0.002	0.345	0.320	0.400	7.7%	< 30	85.7%	79.3%	50 - 150	
Etofenprox	0.000	0.568	0.549	0.800	3.4%	< 30	70.9%	68.6%	50 - 150	
Etoxazol	0.000	0.456	0.479	0.400	5.0%	< 30	113.9%	119.7%	50 - 150	
Fenoxycarb	0.000	0.304	0.294	0.400	3.6%	< 30	76.1%	73.4%	50 - 150	
Fenpyroximat	0.000	0.763	0.773	0.800	1.3%	< 30	95.4%	96.7%	50 - 150	
Fipronil	0.000	0.648	0.606	0.800	6.6%	< 30	81.0%	75.8%	50 - 150	
Fonicamid	0.000	1.017	0.911	1.000	11.0%	< 30	101.7%	91.1%	50 - 150	
Fludoxonil	0.000	0.801	0.700	0.800	13.4%	< 30	100.1%	87.5%	50 - 150	
Hexythiazox	0.000	0.332	0.312	1.000	6.2%	< 30	33.2%	31.2%	50 - 150	Q
Imazalil	0.000	0.378	0.363	0.400	4.0%	< 30	94.6%	90.8%	50 - 150	
Imidacloprid	0.000	0.785	0.749	0.800	4.7%	< 30	98.1%	93.6%	50 - 150	
Kresoxim-Methyl	0.000	0.661	0.619	0.800	6.6%	< 30	82.7%	77.4%	50 - 150	
Malathion	0.000	0.394	0.367	0.400	7.1%	< 30	98.6%	91.9%	50 - 150	
Metaxalyl	0.000	0.377	0.350	0.400	7.3%	< 30	94.2%	87.6%	50 - 150	
Methiocarb	0.000	0.319	0.327	0.400	2.5%	< 30	79.8%	81.9%	50 - 150	
Methomyl	0.000	0.829	0.738	0.800	11.6%	< 30	103.6%	92.3%	50 - 150	
MGK 264	0.000	0.195	0.184	0.400	5.8%	< 30	48.8%	46.1%	50 - 150	Q
Myclobutanil	0.000	0.393	0.368	0.400	6.6%	< 30	98.3%	92.0%	50 - 150	
Naled	0.000	0.861	0.862	1.000	0.1%	< 30	86.1%	86.2%	50 - 150	
Oxamyl	0.000	2.424	2.159	2.000	11.6%	< 30	121.2%	107.9%	50 - 150	
Paclobutrazol	0.000	0.722	0.696	0.800	3.6%	< 30	90.2%	87.0%	50 - 150	
Parathion Methyl	0.000	0.871	0.687	0.800	23.5%	< 30	108.8%	85.9%	30 - 150	
Permethrin	0.000	0.341	0.309	0.400	9.8%	< 30	85.2%	77.2%	50 - 150	
Phosmet	0.000	0.374	0.354	0.400	5.3%	< 30	93.5%	88.6%	50 - 150	
Piperonyl butoxide	0.000	1.796	1.750	2.000	2.6%	< 30	89.8%	87.5%	50 - 150	
Prallethrin	0.000	0.326	0.421	0.400	25.4%	< 30	81.6%	105.4%	50 - 150	
Propiconazole	0.000	0.738	0.719	0.800	2.6%	< 30	92.2%	89.9%	50 - 150	
Propoxur	0.000	0.360	0.342	0.400	5.2%	< 30	90.0%	85.5%	50 - 150	
Pyrethrins	0.000	0.328	0.397	0.413	18.9%	< 30	79.5%	96.1%	50 - 150	
Pyridaben	0.000	0.340	0.328	0.400	3.7%	< 30	85.0%	81.9%	50 - 150	
Spinosad	0.000	0.324	0.322	0.388	0.7%	< 30	83.5%	82.9%	50 - 150	
Spiromesifen	0.000	0.414	0.413	0.400	0.2%	< 30	103.5%	103.2%	50 - 150	
Spirotetramat	0.000	0.427	0.413	0.400	3.4%	< 30	106.9%	103.2%	50 - 150	
Spiroxamine	0.000	0.764	0.724	0.800	5.4%	< 30	95.5%	90.5%	50 - 150	
Tebuconazol	0.000	0.675	0.644	0.800	4.7%	< 30	84.3%	80.5%	50 - 150	
Thiacloprid	0.000	0.363	0.359	0.400	0.9%	< 30	90.7%	89.8%	50 - 150	
Thiamethoxam	0.000	0.382	0.361	0.400	5.5%	< 30	95.4%	90.3%	50 - 150	
Trifloxystrobin	0.009	0.349	0.362	0.400	3.7%	< 30	85.2%	88.4%	50 - 150	



12423 NE Whitaker Way  
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503-254-1794



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Laboratory Quality Control Results

Batch ID: 2 08743

Residual Solvents				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	200		680	595	µg/g	3	0	0
Isobutane	ND	200			6	µg/g	0	0	0
Butane	ND	200		6	6	µg/g	00.0	0	0
2,2 Dimethylpropane	ND	200		9	955	µg/g	99.2	0	0
Methanol	ND	200		300	6.0	µg/g	80	0	0
Ethyl acetate	ND	30		59	58.3	µg/g	0	0	0
2 Methylbutane	ND	200		90	6.0	µg/g	92.3	0	0
Pentane	ND	200		80	6.0	µg/g	9.9	0	0
Ethanol	ND	200		630	6.0	µg/g	0.2	0	0
Ethyl Ether	ND	200		5.0	6.0	µg/g	95	0	0
2,2 Dimethylbutane	ND	30		8	6	µg/g	08.5	0	0
Acetone	ND	200		520	6.0	µg/g	9	0	0
2 Propanol	ND	200		590	6.0	µg/g	98.8	0	0
Acetonitrile	ND	00		5	8	µg/g	93.2	0	0
2,3 Dimethylbutane	ND	30		68	6	µg/g	00.6	0	0
Dichloromethane	ND	60		529	9	µg/g	0	0	0
2 Methylpentane	ND	30		88	65	µg/g	3.9	0	0
3 Methylpentane	ND	30		6	2	µg/g	93.6	0	0
Hexane	ND	30		6	6	µg/g	98.2	0	0
Ethyl acetate	ND	200		80	6.0	µg/g	9.9	0	0
2 Butanol	ND	200		600	6.0	µg/g	99	0	0
tetrahydrofuran	ND	00		5	83	µg/g	3.3	0	0
Cyclohexane	ND	200		620	6.0	µg/g	00.6	0	0
Benzene	ND			6.0	5.36	µg/g	2	0	0
Isopropyl Acetate	ND	200		6.0	620	µg/g	0.2	0	0
Heptane	ND	200		530	6.0	µg/g	95.0	0	0
Dioxane	ND	00		536	89	µg/g	09.6	0	0
2 Ethoxyethanol	ND	30		38	6	µg/g	82.6	0	0
Ethyl acetate Glycol	ND	200		558	50	µg/g	0	0	0
o xylene	ND	200		556	8	µg/g	9	0	0
Ethyl benzene	ND	200		80	68	µg/g	2.9	0	0
m,p Xylene	ND	200		300	9	µg/g	3.3	0	0
o Xylene	ND	200		280	98.2	µg/g	30.3	0	0
Cumene	ND	30		228	69	µg/g	3.9	0	0
2 Dichloroethane	ND			0		µg/g	0.0	0	0
Chloroform	ND			03		µg/g	03.0	0	0
trichloroethylene	ND			05		µg/g	05.0	0	0





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QC Sample Duplicate Sample ID: 21 011015 0001

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	20	Acceptable	
2,2 Dimethylpropane	ND	ND	200	µg/g	0.0	20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	20	Acceptable	
Ethyl acetate	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 Ethyl	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	
Acetone	ND	ND	00	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	00	µg/g	0.0	20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	20	Acceptable	
Heptane	0	0	200	µg/g	6.5	20	Acceptable	
Dioxane	ND	ND	00	µg/g	0.0	20	Acceptable	
2 Ethoxyethanol	ND	ND	30	µg/g	0.0	20	Acceptable	
Ethyl acetate Glycol	ND	ND	200	µg/g	0.0	20	Acceptable	
o xylene	ND	ND	200	µg/g	0.0	20	Acceptable	
Ethyl benzene	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	
2 Dichloroethane	ND	ND		µg/g	0.0	20	Acceptable	
Chloroform	ND	ND		µg/g	0.0	20	Acceptable	
1,1-dichloroethylene	ND	ND		µg/g	0.0	20	Acceptable	

Abbreviations

ND None Detected at or above MRL

RPD Relative Percent Difference

LOQ Limit of Quantitation

Q Equal to control result biased High Only non detect samples reported

QE Equal to control outside QC limits Data acceptable based on remaining QC

Units of Measure:

µg/g M gram per gram or ppm



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.