



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



**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

**Customer:** Grams by Kalibloom  
**Product identity:** Pineapple Express  
**Client/Metric ID:** .  
**Laboratory ID:** 21-005155-0004

**Sample Date:** 05/05/21 17:00

### Summary

**Potency:**

Analyte	Result (%)		
$\Delta^8$ -THC†	77.8		
			CBD-Total <LOQ THC-Total <LOQ (Reported in percent of total sample)

**Residual Solvents:**

Analyte	Result ( $\mu\text{g/g}$ )	Limits ( $\mu\text{g/g}$ )	Status
n-Heptane	2240	5000	pass

**Pesticides:**

All analytes passing and less than LOQ.

**Metals:**

Less than LOQ for all analytes.



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



**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

**Customer:** Grams by Kalibloom  
 United States of America (USA)

**Product identity:** Pineapple Express  
**Client/Metric ID:** .  
**Sample Date:** 05/05/21 17:00  
**Laboratory ID:** 21-005155-0004  
**Evidence of Cooling:** No  
**Temp:** 19.2 °C

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2104219	Analyze: 5/10/21 9:01:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0033			
CBC-A†	< LOQ		0.0033			
CBC-Total†	< LOQ		0.0061			
CBD	< LOQ		0.0033			
CBD-A	< LOQ		0.0033			
CBD-Total	< LOQ		0.0061			
CBDV†	< LOQ		0.0033			
CBDV-A†	< LOQ		0.0033			
CBDV-Total†	< LOQ		0.0061			
CBG†	< LOQ		0.0033			
CBG-A†	< LOQ		0.0033			
CBG-Total	< LOQ		0.0061			
CBL†	< LOQ		0.0033			
CBN	< LOQ		0.0033			
Δ8-THC†	77.8		0.325			
Δ9-THC	< LOQ		0.0033			
THC-A	< LOQ		0.0033			
THC-Total	< LOQ		0.0061			
THCV†	< LOQ		0.0033			
THCV-A†	< LOQ		0.0033			
THCV-Total†	< LOQ		0.0061			
<b>Total Cannabinoids†</b>	<b>77.8</b>					



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



**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

Solvents					Residual Solvents by GC/MS					Batch 2104155				
Method					Analyze 05/10/21 08:51 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-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	2240	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				



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

**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05



Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2104200 Analyze 05/10/21 04:39 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	0.0411	2104231	05/11/21	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0411	2104231	05/11/21	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.0411	2104231	05/11/21	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0206	2104231	05/11/21	AOAC 2013.06 (mod.)	X	



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



**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

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



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

Report Number: 21-005155/D03.R00  
Report Date: 05/12/2021  
ORELAP#: OR100028  
Purchase Order:  
Received: 05/07/21 13:05



Hemp / Cannabis Usable / Extract  
Chain of Custody Record

Revision: 3.01 Control#: CPO23 Rev 02/26/2020 Eff: 02/27/2020  
ORELAP ID: OR100028

21-005155

Company: <u>GRAMS BY KALIBLOOM</u> Contact: <u>TAYLOR</u> Street: <u>3315 E RUSSELL RD STE A-4</u> # <u>240</u> City: <u>LAS VEGAS</u> State: <u>NV</u> Zip: <u>89120</u> <input checked="" type="checkbox"/> Email Results: <u>KALIBLOOMWORLDWIDE@GMAIL.COM</u> Ph: <u>(702) 521-0452</u> <input type="checkbox"/> Fx Results: ( ) Billing (if different): <u>BILL TO KALIBLOOM</u>				Analysis Requested								PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush * <input checked="" type="checkbox"/> Priority Rush * <i>*Ask for availability</i>				
				POTENCY	SOLVENTS	PESTICIDES	METALS							Sample Type †	Weight (Units)	Comments/Metric ID
1	LEMONADE	05/05	5:00	X	X	X	X	X	X							
2	MANGO KUSH	05/05	5:00	X	X	X	X	X	X							
3	PEACH OG	05/05	5:00	X	X	X	X	X	X							
4	PINEAPPLE EXPRESS	05/05	5:00	X	X	X	X	X	X							
5	WATERMELON KUSH	05/05	5:00	X	X	X	X	X	X							
6	KUNTZ	05/05	5:00	X	X	X	X	X	X							
Relinquished By: <u>[Signature]</u> Date: <u>05/05</u> Time: <u>5:00</u>				Received By: <u>[Signature]</u> Date: <u>5-7-21</u> Time: <u>1305</u>				Lab Use Only: <input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes   <input type="checkbox"/> No - Temp (°C): <u>19.2</u> Sample in good condition: <input 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)

12423 NE Whitaker Way  
Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452  
info@columbiaboratories.com

Page 1 of 1  
www.columbiaboratories.com



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

**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05



**Hemp / Cannabis Usable / Extract  
 Chain of Custody Record**

Revision: 3.01 Control#: CF023 Rev 02/26/2020 Eff: 02/27/2020  
 ORELAP ID: OR100028

21-005155

Company: <u>GRAMS BY KALIBLODM</u> Contact: <u>TAYLOR</u> Street: <u>3315 E RUSSELL RD STE A-4</u> # <u>340</u> City: <u>LAS VEGAS</u> State: <u>NV</u> Zip: <u>89120</u> <input checked="" type="checkbox"/> Email Results: <u>KALIBLODM@WORLDWIDE.COM</u> Ph: <u>(702) 521-0452</u> <input type="checkbox"/> Fx Results: ( ) Billing (if different): <u>BILL TO KALIBLODM</u>				<b>Analysis Requested</b> POTENCY <input checked="" type="checkbox"/> SOLVENTS <input checked="" type="checkbox"/> PESTICIDES <input checked="" type="checkbox"/> METALS <input checked="" type="checkbox"/>								PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____ Turnaround time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush * <input checked="" type="checkbox"/> Priority Rush * <i>*Ask for availability</i> Sampled by: _____		
Lab ID	Client Sample Identification	Date	Time	POTENCY	SOLVENTS	PESTICIDES	METALS				Sample Type †	Weight (Units)	Comments/Metric ID	
1	LEMONADE	05/05	5:00	X	X	X	X							
2	MANGO KUSH	05/05	5:00	X	X	X	X							
3	PEACH OG	05/05	5:00	X	X	X	X							
4	PINEAPPLE EXPRESS	05/05	5:00	X	X	X	X							
5	WATERMELON KUSH	05/05	5:00	X	X	X	X							
6	RUNTZ	05/05	5:00	X	X	X	X							
Relinquished By: <u>[Signature]</u>			Date	Time	Received By: <u>[Signature]</u>			Date	Time	Lab Use Only:				
			<u>05/05</u>	<u>5:00</u>				<u>5-7-21</u>	<u>1305</u>	<input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes   <input type="checkbox"/> No - Temp (°C): <u>19.2</u> Sample in good condition: <input 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)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms  
 12423 NE Whitaker Way  
 Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452  
 info@columbialaboratories.com

Page 1 of 1  
 www.columbialaboratories.com



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



Report Number: 21-005155/D03.R00  
Report Date: 05/12/2021  
ORELAP#: OR100028  
Purchase Order:  
Received: 05/07/21 13:05



Columbia Laboratories  
Sample Receipt Form

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

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

Package/Cooler opened on (if different than received date/time) Date: 5-7-21 Time: 1305

Received By (Initials): S 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): 786826972401

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 NA

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:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2104155					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		632	595	µg/g	106.2	70	- 130
Isobutane	ND	< 200		630	761	µg/g	82.8	70	- 130
Butane	ND	< 200		605	761	µg/g	79.5	70	- 130
2,2-Dimethylpropane	ND	< 200		996	955	µg/g	104.3	70	- 130
Methanol	ND	< 200		1560	1620	µg/g	96.3	70	- 130
Ethylene Oxide	ND	< 30		42.3	58.3	µg/g	72.6	70	- 130
2-Methylbutane	ND	< 200		1540	1620	µg/g	95.1	70	- 130
Pentane	ND	< 200		1610	1610	µg/g	100.0	70	- 130
Ethanol	ND	< 200		1520	1620	µg/g	93.8	70	- 130
Ethyl Ether	ND	< 200		1530	1600	µg/g	95.6	70	- 130
2,2-Dimethylbutane	ND	< 30		165	182	µg/g	90.7	70	- 130
Acetone	ND	< 200		1500	1600	µg/g	93.8	70	- 130
2-Propanol	ND	< 200		1550	1670	µg/g	92.8	70	- 130
Acetonitrile	ND	< 100		468	490	µg/g	95.5	70	- 130
2,3-Dimethylbutane	ND	< 30		153	165	µg/g	92.7	70	- 130
Dichloromethane	ND	< 200		500	481	µg/g	104.0	70	- 130
2-Methylpentane	ND	< 30		151	171	µg/g	88.3	70	- 130
3-Methylpentane	ND	< 30		162	171	µg/g	94.7	70	- 130
Hexane	ND	< 30		169	168	µg/g	100.6	70	- 130
Ethyl acetate	ND	< 200		1610	1660	µg/g	97.0	70	- 130
2-Butanol	ND	< 200		1540	1630	µg/g	94.5	70	- 130
Tetrahydrofuran	ND	< 100		398	485	µg/g	82.1	70	- 130
Cyclohexane	ND	< 200		1550	1610	µg/g	96.3	70	- 130
Benzene	ND	< 1		4.73	5.62	µg/g	84.2	70	- 130
Isopropyl Acetate	ND	< 200		1490	1610	µg/g	92.5	70	- 130
Heptane	ND	< 200		1460	1610	µg/g	90.7	70	- 130
1,4-Dioxane	ND	< 100		488	511	µg/g	95.5	70	- 130
2-Ethoxyethanol	ND	< 30		159	168	µg/g	94.6	70	- 130
Ethylene Glycol	ND	< 200		405	530	µg/g	76.4	70	- 130
Toluene	ND	< 200		503	487	µg/g	103.3	70	- 130
Ethylbenzene	ND	< 200		978	988	µg/g	99.0	70	- 130
m,p-Xylene	ND	< 200		938	978	µg/g	95.9	70	- 130
o-Xylene	ND	< 200		1010	1040	µg/g	97.1	70	- 130
Cumene	ND	< 30		159	177	µg/g	89.8	70	- 130



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



**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

QC - Sample Duplicate Sample ID: 21-005091-0001

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	
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	200	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



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



**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

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: 2104200				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Accephate	0.012	< 0.200		0.982	1.000	98.2	72.4 - 126	
Acequinocyl	0.000	< 1.000		4.439	4.000	111.0	79.8 - 122	
Acetamiprid	0.000	< 0.100		0.384	0.400	96.1	84.3 - 119	
Aldicarb	0.000	< 0.200		0.970	0.800	121.3	82.9 - 120	Q1
Abamectin	0.000	< 0.288		1.057	1.000	105.7	79.6 - 124	
Azoxystrobin	0.000	< 0.100		0.367	0.400	91.9	79.4 - 127	
Bifenazate	0.000	< 0.100		0.399	0.400	99.9	81.6 - 124	
Bifenthrin	0.000	< 0.100		0.332	0.400	82.9	71.5 - 133	
Boscalid	0.000	< 0.100		0.857	0.800	107.1	74.0 - 131	
Carbaryl	0.000	< 0.100		0.391	0.400	97.7	82.1 - 121	
Carbofuran	0.000	< 0.100		0.372	0.400	93.0	85.1 - 125	
Chlorantraniliprol	0.000	< 0.100		0.391	0.400	97.7	70.6 - 131	
Chlorfenapyr	0.000	< 1.000		2.076	2.000	103.8	71.0 - 132	
Chlorpyrifos	0.000	< 0.100		0.376	0.400	93.9	72.3 - 134	
Clofentezine	0.000	< 0.100		0.389	0.400	97.2	80.1 - 117	
Cyfluthrin	0.000	< 1.000		1.948	2.000	97.4	71.8 - 133	
Cypermethrin	0.000	< 0.100		1.715	2.000	85.8	83.1 - 126	
Daminozide	0.041	< 1.000		1.778	2.000	88.9	74.6 - 124	
Diazinon	0.000	< 0.100		0.383	0.400	95.8	78.9 - 126	
Dichlorvos	0.000	< 0.500		1.961	2.000	98.0	76.1 - 124	
Dimethoat	0.000	< 0.100		0.382	0.400	95.5	82.8 - 119	
Ethoprophos	0.000	< 0.100		0.375	0.400	93.8	69.5 - 129	
Etofenprox	0.000	< 0.100		0.963	0.800	120.4	85.2 - 128	
Etoxazol	0.000	< 0.100		0.455	0.400	113.8	79.7 - 126	
Fenoxycarb	0.000	< 0.100		0.357	0.400	89.4	84.1 - 122	
Fenpyroximat	0.000	< 0.100		0.787	0.800	98.4	82.4 - 126	
Fipronil	0.000	< 0.100		0.724	0.800	90.5	80.6 - 125	
Fonicamid	0.000	< 0.400		0.979	1.000	97.9	80.9 - 119	
Fludioxonil	0.000	< 0.100		1.030	0.800	128.7	73.0 - 136	
Hexythiazox	0.000	< 0.400		0.874	1.000	87.4	82.5 - 125	
Imazalil	0.000	< 0.100		0.384	0.400	96.1	81.4 - 128	
Imidacloprid	0.000	< 0.200		0.710	0.800	88.7	76.9 - 125	
Kresoxim-Methyl	0.000	< 0.100		0.756	0.800	94.5	82.6 - 124	
Malathion	0.000	< 0.100		0.377	0.400	94.3	74.1 - 130	
Metaxyl	0.000	< 0.100		0.353	0.400	88.2	79.7 - 124	
Methiocarb	0.000	< 0.100		0.378	0.400	94.4	81.0 - 123	
Methomyl	0.000	< 0.200		0.718	0.800	89.7	79.4 - 118	
MGK 264	0.000	< 0.100		0.350	0.400	87.5	77.2 - 128	
Myclobutanil	0.000	< 0.100		0.382	0.400	95.5	80.6 - 123	
Naled	0.000	< 0.200		0.887	1.000	88.7	80.3 - 126	
Oxamyl	0.000	< 0.400		1.666	2.000	83.3	80.1 - 117	
Paclobutrazol	0.000	< 0.200		0.711	0.800	88.9	81.6 - 126	
Parathion Methyl	0.000	< 0.200		0.749	0.800	93.6	72.5 - 135	
Permethrin	0.000	< 0.100		0.419	0.400	104.7	75.0 - 139	
Phosmet	0.000	< 0.100		0.394	0.400	98.5	82.0 - 122	
Piperonyl butoxide	0.000	< 1.000		2.648	2.000	132.4	81.3 - 137	
Prallethrin	0.000	< 0.200		0.353	0.400	88.2	81.3 - 127	
Propiconazole	0.000	< 0.200		0.819	0.800	102.3	84.7 - 121	
Propoxur	0.000	< 0.100		0.362	0.400	90.4	84.2 - 121	
Pyrethrins	0.000	< 0.500		0.438	0.413	106.1	76.1 - 141	
Pyridaben	0.000	< 0.100		0.336	0.400	84.0	79.2 - 147	
Spinosad	0.000	< 0.100		0.374	0.388	96.4	88.4 - 127	
Spiromesifen	0.000	< 0.100		0.428	0.400	106.9	79.9 - 127	
Spirotetramat	0.000	< 0.100		0.417	0.400	104.1	81.1 - 121	
Spiroxamine	0.000	< 0.100		0.791	0.800	98.9	78.4 - 133	
Tebuconazol	0.000	< 0.200		0.859	0.800	107.3	83.1 - 122	
Thiacloprid	0.000	< 0.100		0.414	0.400	103.4	84.3 - 120	
Thiamethoxam	0.000	< 0.100		0.395	0.400	98.8	80.1 - 121	
Trifloxystrobin	0.000	< 0.100		0.354	0.400	88.6	81.4 - 125	



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



Report Number: 21-005155/D03.R00  
Report Date: 05/12/2021  
ORELAP#: OR100028  
Purchase Order:  
Received: 05/07/21 13:05

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: 2104200				
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-005141-0001									
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Accephate	0.013	0.949	0.961	1.000	1.3%	< 30	93.5%	94.7%	50 - 150		
Acetaminophen	0.000	2.163	2.532	4.000	15.7%	< 30	54.1%	63.3%	50 - 150		
Acetamiprid	0.000	0.380	0.393	0.400	3.2%	< 30	95.1%	98.2%	50 - 150		
Aldicarb	0.000	0.696	0.995	0.800	35.4%	< 30	87.0%	124.4%	50 - 150	R	
Abamectin	0.000	0.552	0.625	1.000	12.5%	< 30	55.2%	62.5%	50 - 150		
Azoxystrobin	0.000	0.319	0.313	0.400	1.9%	< 30	79.8%	78.3%	50 - 150		
Bifenazate	0.000	0.408	0.424	0.400	3.7%	< 30	102.1%	105.9%	50 - 150		
Bifenthrin	0.000	0.239	0.298	0.400	22.0%	< 30	59.8%	74.5%	50 - 150		
Boscalid	0.046	0.806	0.717	0.800	12.5%	< 30	95.0%	83.8%	50 - 150		
Carbaryl	0.000	0.380	0.385	0.400	1.3%	< 30	95.0%	96.3%	50 - 150		
Carbofuran	0.000	0.288	0.289	0.400	0.5%	< 30	72.0%	72.3%	50 - 150		
Chlorantraniliprol	0.000	0.333	0.399	0.400	18.0%	< 30	83.2%	99.7%	50 - 150		
Chlorfenapyr	0.000	1.215	1.066	2.000	13.1%	< 30	60.8%	53.3%	50 - 150		
Chlorpyrifos	0.020	0.366	0.415	0.400	13.2%	< 30	86.6%	98.9%	50 - 150		
Clofentezine	0.000	0.277	0.274	0.400	1.0%	< 30	69.2%	68.5%	50 - 150		
Cyfluthrin	0.000	1.096	0.855	2.000	24.7%	< 30	54.8%	42.8%	30 - 150		
Cypermethrin	0.000	1.199	1.162	2.000	3.2%	< 30	59.9%	58.1%	50 - 150		
Daminozide	0.032	1.744	1.958	2.000	11.7%	< 30	85.6%	96.3%	30 - 150		
Diazinon	0.000	0.333	0.327	0.400	1.8%	< 30	83.3%	81.8%	50 - 150		
Dichlorvos	0.000	1.671	1.826	2.000	8.9%	< 30	83.5%	91.3%	50 - 150		
Dimethoat	0.000	0.391	0.406	0.400	3.7%	< 30	97.8%	101.5%	50 - 150		
Ethoprophos	0.000	0.339	0.386	0.400	13.0%	< 30	84.7%	96.5%	50 - 150		
Etofenprox	0.000	1.091	1.011	0.800	7.6%	< 30	136.4%	126.4%	50 - 150		
Etoxazol	0.000	0.380	0.424	0.400	10.8%	< 30	95.1%	106.0%	50 - 150		
Fenoxycarb	0.000	0.325	0.330	0.400	1.3%	< 30	81.3%	82.4%	50 - 150		
Fenpyroximat	0.000	0.653	0.548	0.800	17.6%	< 30	81.7%	68.5%	50 - 150		
Fipronil	0.000	0.551	0.563	0.800	2.2%	< 30	68.9%	70.4%	50 - 150		
Fonicamid	0.000	0.970	0.899	1.000	7.6%	< 30	97.0%	89.9%	50 - 150		
Fludoxonil	0.000	0.482	0.638	0.800	27.8%	< 30	60.2%	79.7%	50 - 150		
Hexythiazox	0.000	0.728	0.746	1.000	2.4%	< 30	72.8%	74.6%	50 - 150		
Imazalil	0.000	0.347	0.360	0.400	3.7%	< 30	86.8%	90.0%	50 - 150		
Imidacloprid	0.000	0.705	0.819	0.800	15.0%	< 30	88.1%	102.4%	50 - 150		
Kresoxim-Methyl	0.000	0.689	0.698	0.800	1.3%	< 30	86.2%	87.2%	50 - 150		
Malathion	0.000	0.362	0.350	0.400	3.2%	< 30	90.5%	87.6%	50 - 150		
Metaxalyl	0.000	0.322	0.362	0.400	11.7%	< 30	80.6%	90.6%	50 - 150		
Methiocarb	0.000	0.256	0.278	0.400	8.5%	< 30	63.9%	69.6%	50 - 150		
Methomyl	0.000	0.696	0.717	0.800	3.0%	< 30	87.0%	89.7%	50 - 150		
MGK 264	0.000	0.280	0.320	0.400	13.1%	< 30	70.1%	79.9%	50 - 150		
Myclobutanil	0.000	0.343	0.365	0.400	6.1%	< 30	85.9%	91.3%	50 - 150		
Naled	0.000	0.750	0.890	1.000	17.1%	< 30	75.0%	89.0%	50 - 150		
Oxamyl	0.000	1.967	1.732	2.000	12.7%	< 30	98.4%	86.6%	50 - 150		
Paclobutrazol	0.000	0.628	0.600	0.800	4.5%	< 30	78.5%	75.0%	50 - 150		
Parathion Methyl	0.000	0.766	0.651	0.800	16.2%	< 30	95.8%	81.4%	30 - 150		
Permethrin	0.000	0.198	0.196	0.400	0.9%	< 30	49.4%	49.0%	50 - 150	Q6	
Phosmet	0.000	0.358	0.384	0.400	7.0%	< 30	89.5%	96.0%	50 - 150		
Piperonyl butoxide	0.195	1.829	1.971	2.000	8.3%	< 30	81.7%	88.8%	50 - 150		
Prallethrin	0.000	0.242	0.274	0.400	12.2%	< 30	60.5%	68.4%	50 - 150		
Propiconazole	0.000	0.514	0.510	0.800	0.7%	< 30	64.2%	63.8%	50 - 150		
Propoxur	0.000	0.337	0.357	0.400	5.8%	< 30	84.1%	89.1%	50 - 150		
Pyrethrins	0.014	0.263	0.255	0.413	3.4%	< 30	60.4%	58.4%	50 - 150		
Pyridaben	0.000	0.306	0.265	0.400	14.6%	< 30	76.6%	66.2%	50 - 150		
Spinosad	0.000	0.342	0.360	0.388	5.4%	< 30	88.0%	92.9%	50 - 150		
Spiromesfen	0.125	0.515	0.447	0.400	19.0%	< 30	97.4%	80.5%	50 - 150		
Spirotetramat	0.000	0.425	0.470	0.400	10.1%	< 30	106.1%	117.4%	50 - 150		
Spiroxamine	0.000	0.680	0.699	0.800	2.7%	< 30	85.0%	87.3%	50 - 150		
Tebuconazol	0.000	0.475	0.462	0.800	2.7%	< 30	59.3%	57.7%	50 - 150		
Thiacloprid	0.000	0.367	0.359	0.400	2.3%	< 30	91.8%	89.7%	50 - 150		
Thiamethoxam	0.000	0.387	0.362	0.400	6.6%	< 30	96.8%	90.6%	50 - 150		
Trifloxystrobin	0.000	0.313	0.319	0.400	2.1%	< 30	78.2%	79.9%	50 - 150		



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



**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

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: 2104219**

**Laboratory Control Sample**

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBDV	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBD-A	0.00985	0.01	%	98.5	85.0 - 115	Acceptable	
CBG-A	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBG	0.0102	0.01	%	102	85.0 - 115	Acceptable	
CBD	0.0106	0.01	%	106	85.0 - 115	Acceptable	
THCV	0.0103	0.01	%	103	85.0 - 115	Acceptable	
THCVA	0.00981	0.01	%	98.1	85.0 - 115	Acceptable	
CBN	0.0113	0.01	%	113	85.0 - 115	Acceptable	
THC	0.0107	0.01	%	107	85.0 - 115	Acceptable	
D8THC	0.00993	0.01	%	99.3	85.0 - 115	Acceptable	
CBL	0.0101	0.01	%	101	85.0 - 115	Acceptable	
CBC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
THCA	0.00910	0.01	%	91.0	85.0 - 115	Acceptable	
CBCA	0.00982	0.01	%	98.2	85.0 - 115	Acceptable	

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBD-A	<LOQ	0.003	%	< 0.003	Acceptable	
CBG-A	<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	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
THC	<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	

**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:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

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: 2104219						
Sample Duplicate		Sample ID: 21-004850-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0128	0.0127	0.003	%	0.755	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0391	0.0390	0.003	%	0.349	< 20	Acceptable	
CBD	2.54	2.54	0.003	%	0.310	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.00532	0.00589	0.003	%	10.1	< 20	Acceptable	
THC	0.0644	0.0649	0.003	%	0.650	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0946	0.0949	0.003	%	0.276	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<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



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



**Report Number:** 21-005155/D03.R00  
**Report Date:** 05/12/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 05/07/21 13:05

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.