



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



Report Number: 21-006328/D010.R001
Report Date: 07/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/08/21 10:30

This is an amended version of report# 21-006328/D010.R00.
Reason: Combine results with report 21-007941/D003.R000

Customer: KIK by Kalibloom
Product identity: Chemdawg
Client/Metric ID: .
Laboratory ID: 21-006328-0003

Sample Date: 06/04/21 10:00

Summary

Potency:

Analyte	Result (%)	Figure		Notes
Δ8-THC†	76.0		<ul style="list-style-type: none"> ● 8-THC ● 8-THCV 	CBD-Total <LOQ
Δ8-THCV	0.353			THC-Total <LOQ
(Reported in percent of total sample)				

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
n-Heptane	1130	5000	pass

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(R)-(+)-Limonene†	1.19	21.33%	β-Myrcene†	0.991	17.76%
β-Caryophyllene†	0.891	15.97%	α-Bisabolol†	0.555	9.95%
Linalool†	0.309	5.54%	(+)-fenchol†	0.298	5.34%
(-)-β-Pinene†	0.224	4.01%	α-pinene†	0.199	3.57%
p-Cymene†	0.177	3.17%	Humulene†	0.159	2.85%
d-3-Carene†	0.158	2.83%	Terpinolene†	0.132	2.37%
(-)-α-Terpineol†	0.108	1.94%	(-)-Isopulegol†	0.0739	1.32%
(±)-Camphor†	0.0648	1.16%	Camphene†	0.0287	0.51%
Geraniol†	0.0210	0.38%	Total Terpenes†	5.58	100.00%



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Report Number: 21-007941/D003.R000
Report Date: 07/19/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/14/21 10:29

Customer: KIK By Kalibloom
Product identity: Chemdawg
Client/Metric ID: .
Laboratory ID: 21-007941-0001

Sample Date: 07/06/21 10:00

Summary

Metals:

Less than LOQ for all analytes.



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Received: 06/08/21 10:30



Customer: Grams by Kalibloom
 United States of America (USA)
Product identity: Chemdawg
Client/Metric ID: .
Sample Date: 06/04/21 10:00
Laboratory ID: 21-006328-0003
Evidence of Cooling: No
Temp: 20.4 °C

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2105221	Analyze: 6/11/21 11:13:00 PM
Analyte	As Received	Dry weight	LOQ	Notes
CBC	< LOQ		0.0927	
CBC-A†	< LOQ		0.0927	
CBC-Total†	< LOQ		0.174	
CBD	< LOQ		0.0927	
CBD-A	< LOQ		0.0927	
CBD-Total	< LOQ		0.174	
CBDV†	< LOQ		0.0927	
CBDV-A†	< LOQ		0.0927	
CBDV-Total†	< LOQ		0.173	
CBE†	< LOQ		0.0927	
CBG†	< LOQ		0.0927	
CBG-A†	< LOQ		0.0927	
CBG-Total	< LOQ		0.173	
CBL†	< LOQ		0.0927	
CBL-A†	< LOQ		0.0927	
CBL-Total†	< LOQ		0.174	
CBN	< LOQ		0.0927	
CBT†	< LOQ		0.0927	
Δ8-THC†	76.0		0.927	
Δ8-THCV	0.353		0.0927	
Δ9-THC	< LOQ		0.0927	
THC-A	< LOQ		0.0927	
THC-Total	< LOQ		0.174	
THCV†	< LOQ		0.0927	
THCV-A†	< LOQ		0.0927	
THCV-Total†	< LOQ		0.173	
Total Cannabinoids†	76.4			





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Solvents						Residual Solvents by GC/MS					Units µg/g	Batch 2105137	Analyze 06/11/21 09:07 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	1130	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 2105247 Analyze 06/15/21 09:54 AM											
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							

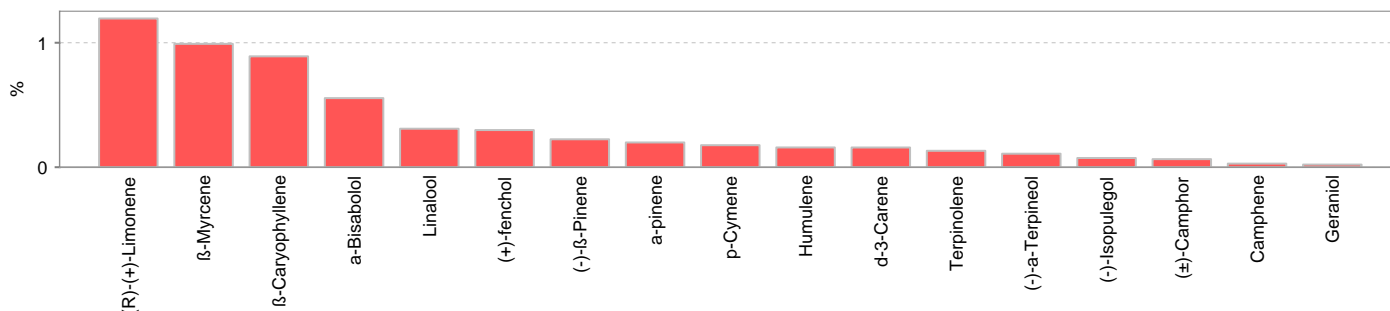


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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2105151	Analyze 06/10/21 11:39 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene [†]	1.19	0.019	21.33%		β-Myrcene [†]	0.991	0.019	17.76%	
β-Caryophyllene [†]	0.891	0.019	15.97%		a-Bisabolol [†]	0.555	0.019	9.95%	
Linalool [†]	0.309	0.019	5.54%		(+)-fenchol [†]	0.298	0.019	5.34%	
(-)-β-Pinene [†]	0.224	0.019	4.01%		a-pinene [†]	0.199	0.019	3.57%	
p-Cymene [†]	0.177	0.019	3.17%		Humulene [†]	0.159	0.019	2.85%	
d-3-Carene [†]	0.158	0.019	2.83%		Terpinolene [†]	0.132	0.019	2.37%	
(-)-a-Terpineol [†]	0.108	0.019	1.94%		(-)-Isopulegol [†]	0.0739	0.019	1.32%	
(±)-Camphor [†]	0.0648	0.019	1.16%		Camphene [†]	0.0287	0.019	0.51%	
Geraniol [†]	0.0210	0.019	0.38%		(-)-Guaiol [†]	< LOQ	0.019	0.00%	
a-Terpinene [†]	< LOQ	0.019	0.00%		(-)-caryophyllene oxide [†]	< LOQ	0.019	0.00%	
gamma-Terpinene [†]	< LOQ	0.019	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%	
trans-β-Ocimene [†]	< LOQ	0.012	0.00%		nerol [†]	< LOQ	0.019	0.00%	
(±)-trans-Nerolidol [†]	< LOQ	0.019	0.00%		(+)-Pulegone [†]	< LOQ	0.019	0.00%	
Geranyl acetate [†]	< LOQ	0.019	0.00%		(+)-Borneol [†]	< LOQ	0.019	0.00%	
Sabinene hydrate [†]	< LOQ	0.019	0.00%		Menthol [†]	< LOQ	0.019	0.00%	
(+)-Cedrol [†]	< LOQ	0.019	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.019	0.00%	
(±)-fenchone [†]	< LOQ	0.019	0.00%		a-cedrene [†]	< LOQ	0.019	0.00%	
a-phellandrene [†]	< LOQ	0.019	0.00%		Eucalyptol [†]	< LOQ	0.019	0.00%	
farnesene [†]	< LOQ	0.019	0.00%		Isoborneol [†]	< LOQ	0.019	0.00%	
Sabinene [†]	< LOQ	0.019	0.00%		valencene [†]	< LOQ	0.019	0.00%	
Total Terpenes	5.58								





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ORELAP#: OR100028
Purchase Order:
Received: 07/14/21 10:29

Customer: KIK By Kalibloom
United States of America (USA)

Product identity: Chemdawg

Client/Metric ID: .

Sample Date: 07/06/21 10:00

Laboratory ID: 21-007941-0001

Evidence of Cooling: No

Temp: 19.9 °C

Sample Results

Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0494	2106340	07/16/21	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0494	2106340	07/16/21	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0494	2106340	07/16/21	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0247	2106340	07/16/21	AOAC 2013.06 (mod.)	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

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



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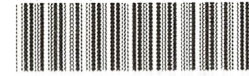
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**Hemp / Cannabis Usable / Extract
 Chain of Custody Record**

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

GRAMSBYKALI 21-006328



Grams by Kalibloom

Company: <u>KIK BY KALIBLOOM</u> Contact: <u>TAYLOR</u> Street: <u>2216 E. RUSSELL RD STE A-4</u> City: <u>LAS VEGAS</u> State: <u>NV</u> Zip: <u>89130</u> Email Results: <u>KALIBLOOMWORLDWIDE@GMAIL.COM</u> Ph: <u>(702) 201 0022</u> Fx Results: () Billing (if different): <u>DILL TO KALIBLOOM</u>				Analysis Requested <input type="checkbox"/> POTENCY <input type="checkbox"/> METALS <input type="checkbox"/> SOLVENTS <input type="checkbox"/> PESTICIDES <input type="checkbox"/> TERPENES					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	METALS	SOLVENTS	PESTICIDES	TERPENES	Sample Type †	Weight (Units)	Comments/Metric ID
1	BERRY KUSH	6/4	1000	X	X	X	X	X	C	3GR	
2	BISCOTTI	6/4	1000	X	X	X	X	X	C	3GR	
3	CHEMDANG	6/4	1000	X	X	X	X	X	C	3GR	
4	FIRE OG	6/4	1000	X	X	X	X	X	C	3GR	
5	GELATO 41	6/4	1000	X	X	X	X	X	C	3GR	
6	GRAPE APE	6/4	1000	X	X	X	X	X	C	3GR	
7	GUAVA	6/4	1000	X	X	X	X	X	C	3GR	
8	GUSHERS	6/4	1000	X	X	X	X	X	C	3GR	
9	LEMON CAKE	6/4	1000	X	X	X	X	X	C	3GR	
10	PAPAYA ROSIN	6/4	1000	X	X	X	X	X	C	3GR	
11	RUNTZ	6/4	1000	X	X	X	X	X	C	3GR	
Relinquished By: _____		Date	Time	Received By: _____		Date	Time	Lab Use Only:			
		6/4	1000					<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>20.4</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@columbiaboratories.com

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

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

GRAMSBYKALI 21-006328



Company: <u>KIK BY KALIBLOOM</u>				Analysis Requested					Grams by Kalibloom			
Contact: _____				POTENCY METALS SOLVENTS PESTICIDES TERPENES						PO Num: _____		
Street: _____										Project Number: _____		
City: _____ State: _____ Zip: _____										Project Name: _____		
<input type="checkbox"/> Email Results: _____										Custom Reporting: _____		
Ph: (____) _____ <input type="checkbox"/> Fx Results: (____) _____										Report to State - <input type="checkbox"/> METRC or <input type="checkbox"/> Other: _____		
Billing (if different): _____										Turnaround time: <input type="checkbox"/> Standard <input type="checkbox"/> Rush * <input checked="" type="checkbox"/> Priority Rush *		
				*Ask for availability								
				Sampled by: _____								
Lab ID	Client Sample Identification	Date	Time	POTENCY	METALS	SOLVENTS	PESTICIDES	TERPENES	Sample Type †	Weight (Units)	Comments/Metric ID	
12 BY 6/8/21	SOUR DIESEL SAUCE	6/4	1000	X	X	X	X	X	C	0.6R		
Relinquished By: <u>[Signature]</u>				Received By: <u>[Signature]</u>				Lab Use Only:				
Date: 6/4 Time: 1000				Date: _____ Time: _____				<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>70.4</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: _____				
				6/8/21 1030								

† - Sample Type Codes: Vegetation (V) ; Isolates (S) ; Extract/Concentrate (C)

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Columbia Laboratories
Sample Receipt Form

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

Job Number: Grams by Kalibloom Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 6/8/21 Time: 1030

Received By (Initials): [Signature] 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): 280035103752

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: _____

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

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

KIKBYKALIB 21-007941



KIK By Kalibloom

Company: <u>KIK BY KALIBLOOM</u> Contact: <u>TAYLOR</u> Street: <u>3315 ERUSSELL RD STE A-4</u> # <u>346</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) 210-052</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 * <small>*Ask for availability</small> Sampled by: _____			
Lab ID	Client Sample Identification	Date	Time	METALS				Sample Type †	Weight (Units)	Comments/Metric ID	
	CHEMDANG	07/06	1000		X				C	2GR	AMEND REPORT #21-006326
	FIRE OG	07/06	1000		X				C	2GR	AMEND REPORT #21-006326
	PAPAYA ROSIN	07/06	1000		X				C	2GR	AMEND REPORT #21-006326
	RUNTZ	07/06	1000		X				C	2GR	AMEND REPORT #21-006326
Relinquished By: <u>[Signature]</u>		Date	Time	Received By: <u>[Signature]</u>		Date	Time	Lab Use Only: <input checked="" type="checkbox"/> Shipped Via: <u>Fedex</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>19.9°C</u> <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
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 Portland, OR 97230



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

Report Number: 21-007941/D003.R000
Report Date: 07/19/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/14/21 10:29



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

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

KIKBYKALIB 21-007941



KIK By Kalibloom

Company: <u>GRAMS BY KALIBLOOM</u> Contact: <u>TAYLOR</u> Street: <u>2215 E. RUSSELL RD STE A-7</u> City: <u>LAS VEGAS</u> State: <u>NV</u> Zip: <u>89130</u> <input checked="" type="checkbox"/> Email Results: <u>KALIBLOOM.WORLDWIDE@GMAIL.COM</u> Ph: <u>(000) 0000000</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 checked="" type="checkbox"/> Rush * <input type="checkbox"/> Priority Rush * <i>*Ask for availability</i>																																																																						
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Relinquished By: <u>[Signature]</u>		Date: <u>07/06/2020</u>	Time: <u>1000</u>	Received By: _____		Date: _____	Time: _____	Lab Use Only: <input checked="" type="checkbox"/> Shipped Via: <u>Fedex</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>19.9°C</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)

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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:



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

Report Number: 21-007941/D003.R000
Report Date: 07/19/2021
ORELAP#: OR100028
Purchase Order:
Received: 07/14/21 10:29



KIKBYKALIB 21-007941



Columbia Laboratories
Sample Receipt Form

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

Job Num: KIK By Kalibloom Search Name:

Package/Cooler opened on (if different than received date/time) Date: 7/14/21 Time: 10:29

Received By (Initials): ZH 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): 2812 5705 3924

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?

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:

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Report Number: 21-006328/D010.R001
Report Date: 07/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/08/21 10:30

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2105137						
Method Blank				Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	%Rec	Limits	Notes	
Propane	ND	< 200		470	595	µg/g	79.0	70 - 130		
Isobutane	ND	< 200		636	761	µg/g	83.6	70 - 130		
Butane	ND	< 200		647	761	µg/g	85.0	70 - 130		
2,2-Dimethylpropane	ND	< 200		765	955	µg/g	80.1	70 - 130		
Methanol	ND	< 200		1370	1600	µg/g	85.6	70 - 130		
Ethylene Oxide	ND	< 30		45.3	58.3	µg/g	77.7	70 - 130		
2-Methylbutane	ND	< 200		1290	1600	µg/g	80.6	70 - 130		
Pentane	ND	< 200		1320	1600	µg/g	82.5	70 - 130		
Ethanol	ND	< 200		1410	1610	µg/g	87.6	70 - 130		
Ethyl Ether	ND	< 200		1370	1600	µg/g	85.6	70 - 130		
2,2-Dimethylbutane	ND	< 30		138	160	µg/g	86.3	70 - 130		
Acetone	ND	< 200		1360	1600	µg/g	85.0	70 - 130		
2-Propanol	ND	< 200		1420	1610	µg/g	88.2	70 - 130		
Acetonitrile	ND	< 100		409	481	µg/g	85.0	70 - 130		
2,3-Dimethylbutane	ND	< 30		149	164	µg/g	90.9	70 - 130		
Dichloromethane	ND	< 60		424	490	µg/g	86.5	70 - 130		
2-Methylpentane	ND	< 30		137	162	µg/g	84.6	70 - 130		
3-Methylpentane	ND	< 30		142	163	µg/g	87.1	70 - 130		
Hexane	ND	< 30		145	163	µg/g	89.0	70 - 130		
Ethyl acetate	ND	< 200		1370	1600	µg/g	85.6	70 - 130		
2-Butanol	ND	< 200		1650	1600	µg/g	103.1	70 - 130		
Tetrahydrofuran	ND	< 100		463	485	µg/g	95.5	70 - 130		
Cyclohexane	ND	< 200		1470	1610	µg/g	91.3	70 - 130		
Benzene	ND	< 1		4.02	4.36	µg/g	92.2	70 - 130		
Isopropyl Acetate	ND	< 200		1410	1610	µg/g	87.6	70 - 130		
Heptane	ND	< 200		1350	1610	µg/g	83.9	70 - 130		
1,4-Dioxane	ND	< 100		443	481	µg/g	92.1	70 - 130		
2-Ethoxyethanol	ND	< 30		145	162	µg/g	89.5	70 - 130		
Ethylene Glycol	ND	< 200		475	484	µg/g	98.1	70 - 130		
Toluene	ND	< 200		461	500	µg/g	92.2	70 - 130		
Ethylbenzene	ND	< 200		956	971	µg/g	98.5	70 - 130		
m,p-Xylene	ND	< 200		947	966	µg/g	98.0	70 - 130		
o-Xylene	ND	< 200		950	967	µg/g	98.2	70 - 130		
Cumene	ND	< 30		154	164	µg/g	93.9	70 - 130		



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Received: 06/08/21 10:30

QC- Sample Duplicate Sample ID: 21-006298-0001

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	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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Report Number: 21-006328/D010.R001
Report Date: 07/20/2021
ORELAP#: OR100028
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Received: 06/08/21 10:30

Terpenes Quality Control Results

Method Reference: EP/5035 Batch ID: 2105151

Analyte	Method Blank			Laboratory Control Sample					
	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		555	500	µg/g	111%	70 - 130	
Camphene	<LOQ	< 200		484	500	µg/g	97%	70 - 130	
Sabinene	<LOQ	< 200		451	500	µg/g	90%	70 - 130	
b-Phene	<LOQ	< 200		434	500	µg/g	87%	70 - 130	
b-Myrcene	<LOQ	< 200		478	500	µg/g	96%	70 - 130	
a-phellandrene	<LOQ	< 200		492	500	µg/g	98%	70 - 130	
d-3-Caene	<LOQ	< 200		404	500	µg/g	81%	70 - 130	
a-Terpinene	<LOQ	< 200		464	500	µg/g	93%	70 - 130	
p-Cymene	<LOQ	< 200		465	500	µg/g	93%	70 - 130	
D-Limonene	<LOQ	< 200		422	500	µg/g	84%	70 - 130	
Eucalyptol	<LOQ	< 200		485	500	µg/g	97%	70 - 130	
b-α-Cimene	<LOQ	< 67		182	167	µg/g	109%	70 - 130	
b-trans-Cimene	<LOQ	< 133		327	333	µg/g	98%	70 - 130	
g-Terpinene	<LOQ	< 200		449	500	µg/g	90%	70 - 130	
Sabinene Hydrate	<LOQ	< 200		431	500	µg/g	86%	70 - 130	
Terpinolene	<LOQ	< 200		372	500	µg/g	74%	70 - 130	
D-Fenchone	<LOQ	< 200		389	500	µg/g	78%	70 - 130	
Linalool	<LOQ	< 200		512	500	µg/g	102%	70 - 130	
Fenchol	<LOQ	< 200		451	500	µg/g	90%	70 - 130	
Camphor	<LOQ	< 200		465	500	µg/g	93%	70 - 130	
Isopuleg	<LOQ	< 200		489	500	µg/g	98%	70 - 130	
Isborneol	<LOQ	< 200		461	500	µg/g	92%	70 - 130	
Borneol	<LOQ	< 200		437	500	µg/g	87%	70 - 130	
DL-Menthol	<LOQ	< 200		479	500	µg/g	96%	70 - 130	
Terpineol	<LOQ	< 200		406	500	µg/g	81%	70 - 130	
Nerol	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
Pulegone	<LOQ	< 200		567	500	µg/g	113%	70 - 130	
Geraniol	<LOQ	< 200		439	500	µg/g	88%	70 - 130	
Geranyl Acetate	<LOQ	< 200		479	500	µg/g	96%	70 - 130	
α-Cedrene	<LOQ	< 200		457	500	µg/g	91%	70 - 130	
b-Caryophyllene	<LOQ	< 200		380	500	µg/g	76%	70 - 130	
α-Humulene	<LOQ	< 200		437	500	µg/g	87%	70 - 130	
Valenene	<LOQ	< 200		455	500	µg/g	91%	70 - 130	
cis-Nerolidol	<LOQ	< 200		481	500	µg/g	96%	70 - 130	
α-Farnesene	<LOQ	< 200		609	500	µg/g	122%	70 - 130	
trans-Nerolidol	<LOQ	< 200		442	500	µg/g	88%	70 - 130	
Caryophyllene Oxide	<LOQ	< 200		582	500	µg/g	116%	70 - 130	
Guaiol	<LOQ	< 200		486	500	µg/g	97%	70 - 130	
Cedrol	<LOQ	< 200		469	500	µg/g	94%	70 - 130	
α-Bisabol	<LOQ	< 200		490	500	µg/g	98%	70 - 130	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
%REC	Percent Recovery



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Received: 06/08/21 10:30

Terpenes Quality Control Results

Method Reference: EPA5035		Batch ID: 2105151					
Sample/Sample Duplicate		Sample ID: 21-006383-0001					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	186	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	186	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	186	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	186	µg/g	0%	< 20	
b-Myrcene	<LOQ	<LOQ	186	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	186	µg/g	0%	< 20	
d-3-Caene	<LOQ	<LOQ	186	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	186	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	186	µg/g	0%	< 20	
D-Limonene	<LOQ	<LOQ	186	µg/g	0%	< 20	
Eucalyptol	<LOQ	<LOQ	186	µg/g	0%	< 20	
b-cis-OCimene	<LOQ	<LOQ	62.0	µg/g	0%	< 20	
b-trans-OCimene	<LOQ	<LOQ	124	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	186	µg/g	0%	< 20	
Sabinene Hydrate	<LOQ	<LOQ	186	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	186	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	186	µg/g	0%	< 20	
Linalool	<LOQ	<LOQ	186	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	186	µg/g	0%	< 20	
Isopuleg	<LOQ	<LOQ	186	µg/g	0%	< 20	
Isborneol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	186	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Rulegone	<LOQ	<LOQ	186	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	186	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	186	µg/g	0%	< 20	
b-Caryophyllene	<LOQ	<LOQ	186	µg/g	0%	< 20	
a-Humulene	<LOQ	<LOQ	186	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	186	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	186	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	186	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	186	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	186	µg/g	0%	< 20	
a-Bisabdiol	<LOQ	<LOQ	186	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference

Formulas

$$\text{Relative Percent Difference} = \frac{\left| \frac{\mu / +}{2} - \frac{\mu / -}{2} \right|}{\left(\frac{\mu / +}{2} + \frac{\mu / -}{2} \right)} 100\%$$



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Report Number: 21-006328/D010.R001
Report Date: 07/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/08/21 10:30



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

Laboratory Quality Control Results

JAOAC2015 V986							
Batch ID: 2105221							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDA	0.201	0.2	%	100	85.0 - 115	Acceptable	
CBV	0.211	0.2	%	106	85.0 - 115	Acceptable	
CB	0.193	0.2	%	96.4	85.0 - 115	Acceptable	
CBDA	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBGA	0.201	0.2	%	101	85.0 - 115	Acceptable	
CBG	0.207	0.2	%	103	85.0 - 115	Acceptable	
CB	0.207	0.2	%	103	85.0 - 115	Acceptable	
THCV	0.203	0.2	%	102	85.0 - 115	Acceptable	
d8THCV	0.196	0.2	%	98.0	85.0 - 115	Acceptable	
THCA	0.190	0.2	%	95.0	85.0 - 115	Acceptable	
CBN	0.211	0.2	%	106	85.0 - 115	Acceptable	
exo-THC	0.187	0.2	%	93.7	85.0 - 115	Acceptable	
d8THC	0.207	0.2	%	103	85.0 - 115	Acceptable	
d8THC	0.201	0.2	%	100	85.0 - 115	Acceptable	
CB	0.192	0.2	%	95.9	85.0 - 115	Acceptable	
CB	0.205	0.2	%	103	85.0 - 115	Acceptable	
THCA	0.191	0.2	%	95.7	85.0 - 115	Acceptable	
CBGA	0.190	0.2	%	95.0	85.0 - 115	Acceptable	
CBA	0.198	0.2	%	98.9	85.0 - 115	Acceptable	
CB	0.205	0.2	%	103	85.0 - 115	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	<LOQ	0.1	%	< 0.1	Acceptable	
CBV	<LOQ	0.1	%	< 0.1	Acceptable	
CB	<LOQ	0.1	%	< 0.1	Acceptable	
CBDA	<LOQ	0.1	%	< 0.1	Acceptable	
CBGA	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
CB	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
d8THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
exo-THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CB	<LOQ	0.1	%	< 0.1	Acceptable	
CB	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBGA	<LOQ	0.1	%	< 0.1	Acceptable	
CBA	<LOQ	0.1	%	< 0.1	Acceptable	
CB	<LOQ	0.1	%	< 0.1	Acceptable	

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

Units of Measure
 %- Percent



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

Report Number: 21-006328/D010.R001
Report Date: 07/20/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/08/21 10:30



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

Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2105221						
Sample Duplicate		Sample ID: 21-006328-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	0.427	0.427	0.1	%	0.0806	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	85.0	84.1	0.1	%	1.09	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBF	<LOQ	<LOQ	0.1	%	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: 1.00 Control: CFL-C2
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2105247			
Method Blank	Laboratory Control Sample							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS % Re	Limits	Notes
Acephate	0.00	< 0.250		0.801	1.00	80.1	68.6 - 127	
Acetamiprid	0.00	< 1.000		9.126	4.00	228.1	67.8 - 126	Q1
Aldicarb	0.00	< 0.100		0.351	0.40	87.8	69.0 - 128	
Abamectin	0.00	< 0.200		0.739	0.80	92.3	69.8 - 130	
Azoxystrobin	0.00	< 0.250		1.029	1.00	102.9	69.5 - 129	
Bifenthrin	0.00	< 0.100		0.400	0.40	100.0	68.8 - 128	
Bifenthrin	0.00	< 0.100		0.293	0.40	73.3	71.1 - 132	
Boscalid	0.00	< 0.100		0.477	0.40	119.1	68.8 - 128	
Carbaryl	0.00	< 0.200		0.731	0.80	91.4	69.2 - 129	
Carbaryl	0.009	< 0.100		0.360	0.40	90.0	68.4 - 127	
Carbendazim	0.007	< 0.100		0.359	0.40	89.8	70.4 - 131	
Chlorantraniliprol	0.00	< 0.100		0.726	0.40	181.4	70.9 - 132	Q1
Chlorfenapyr	0.00	< 0.500		1.909	2.00	95.5	68.4 - 127	
Chlorpyrifos	0.00	< 0.100		0.393	0.40	98.2	68.1 - 126	
Clofentazine	0.00	< 0.100		0.287	0.40	71.7	68.7 - 128	
Ofluthrin	0.00	< 0.500		2.038	2.00	101.9	69.8 - 130	
Cypermethrin	0.00	< 0.500		2.148	2.00	107.4	69.2 - 128	
Daminozide	0.00	< 0.500		1.399	2.00	70.0	69.4 - 129	
Diazinon	0.00	< 0.100		0.289	0.40	72.4	68.9 - 128	
Dichlorvos	0.00	< 0.500		1.793	2.00	89.6	67.1 - 125	
Dimethoat	0.00	< 0.100		0.370	0.40	92.4	68.9 - 128	
Ethionphos	0.00	< 0.100		0.354	0.40	88.4	67.9 - 126	
Etofenprox	0.00	< 0.200		0.956	0.80	119.5	68.6 - 127	
Etoxazol	0.00	< 0.100		0.414	0.40	103.4	67.9 - 126	
Fenoxycarb	0.00	< 0.100		0.290	0.40	72.5	68.4 - 127	
Fenprothion	0.00	< 0.200		0.867	0.80	108.4	68.4 - 127	
Fipronil	0.00	< 0.200		0.751	0.80	93.9	70.1 - 130	
Fonicamid	0.00	< 0.250		0.749	1.00	74.9	68.6 - 127	
Fenoxonil	0.00	< 0.200		0.854	0.80	106.8	69.8 - 130	
Hexythiazox	0.00	< 0.250		0.931	1.00	93.1	67.7 - 126	
Imazalil	0.00	< 0.100		0.298	0.40	74.4	71.5 - 133	
Imidacloprid	0.00	< 0.200		0.594	0.80	74.3	68.0 - 126	
Kiesoxim-Methyl	0.00	< 0.200		0.654	0.80	81.7	69.3 - 129	
Malathion	0.00	< 0.100		0.323	0.40	80.8	68.5 - 127	
Metaxalyl	0.00	< 0.100		0.274	0.40	68.5	68.5 - 127	
Methiocarb	0.007	< 0.100		0.339	0.40	84.8	68.5 - 127	
Methomyl	0.00	< 0.200		0.651	0.80	81.4	68.8 - 128	
MGK 264	0.00	< 0.100		0.277	0.40	69.3	68.4 - 127	
Mydobutanil	0.00	< 0.100		0.515	0.40	128.7	68.3 - 127	Q1
Naled	0.00	< 0.250		1.018	1.00	101.8	69.7 - 130	
Oxaryl	0.00	< 0.500		1.693	2.00	84.6	69.2 - 128	
Padobutrazol	0.00	< 0.200		0.551	0.80	68.9	68.8 - 128	
Parathion Methyl	0.00	< 0.200		0.626	0.80	78.3	69.6 - 129	
Permethrin	0.00	< 0.100		0.404	0.40	101.0	69.0 - 128	
Phosmet	0.00	< 0.100		0.295	0.40	73.7	68.3 - 127	
Piperonyl butoxide	0.00	< 0.500		1.969	2.00	98.5	68.6 - 127	
Prallethrin	0.00	< 0.100		0.280	0.40	69.9	69.5 - 129	
Propiconazole	0.00	< 0.200		0.725	0.80	90.6	68.8 - 128	
Propoxur	0.00	< 0.100		0.384	0.40	96.0	68.0 - 126	
Pyrethrins	0.00	< 0.100		0.308	0.413	74.5	66.9 - 124	
Pyridaben	0.00	< 0.100		0.387	0.40	96.8	69.6 - 129	
Spinosad	0.00	< 0.100		0.464	0.388	119.6	72.2 - 134	
Spiromesfen	0.00	< 0.100		0.418	0.40	104.4	68.9 - 128	
Spirotetramet	0.00	< 0.100		0.378	0.40	94.5	68.6 - 127	
Spiroxamine	0.00	< 0.200		0.544	0.80	67.9	67.4 - 125	
Tebuconazol	0.00	< 0.200		0.613	0.80	76.7	69.2 - 128	
Thiadoprid	0.00	< 0.100		0.305	0.40	76.3	68.4 - 127	
Thiamethoxam	0.00	< 0.100		0.326	0.40	81.6	69.1 - 128	
Trifloxystrobin	0.00	< 0.100		0.428	0.40	107.1	68.4 - 127	



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Revision: 1.00 Control: CFL-C2
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg				Batch ID 2105247					
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-0063080002									
Analyte	Result	MSR _{as}	MSD _{as}	Spike	RPD%	Limit	MS% Re	MSD% Re	Limits	Notes	
Acephate	0.040	0.741	0.717	1.000	3.5%	< 30	70.1%	67.7%	50 - 150		
Acetamiprid	0.000	10.766	12.479	4.000	14.5%	< 30	269.9%	312.0%	50 - 150	Q1	
Aldicarb	0.000	0.325	0.321	0.400	1.2%	< 30	81.3%	80.3%	50 - 150		
Abamectin	0.000	0.697	0.664	0.800	4.8%	< 30	87.1%	83.0%	50 - 150		
Azoxystrobin	0.000	0.599	0.645	1.000	7.4%	< 30	59.9%	64.5%	50 - 150		
Bifenthrin	0.000	0.368	0.354	0.400	3.9%	< 30	91.9%	88.4%	50 - 150		
Bifenthrin	0.000	0.384	0.360	0.400	6.4%	< 30	96.0%	90.0%	50 - 150		
Bifenthrin	0.000	0.164	0.173	0.400	5.2%	< 30	41.0%	43.2%	50 - 150	Q	
Boscalid	0.000	0.617	0.646	0.800	4.7%	< 30	77.1%	80.8%	50 - 150		
Carbaryl	0.000	0.345	0.319	0.400	7.9%	< 30	86.3%	79.7%	50 - 150		
Carbofuran	0.000	0.335	0.325	0.400	2.9%	< 30	83.7%	81.3%	50 - 150		
Chlorantraniliprol	0.000	0.647	0.658	0.400	1.6%	< 30	161.9%	164.4%	50 - 150	Q1	
Chlorfenapyr	0.000	1.272	1.661	2.000	26.5%	< 30	63.6%	83.0%	50 - 150		
Chlorpyrifos	0.027	0.360	0.356	0.400	1.2%	< 30	83.4%	82.4%	50 - 150		
Clofentezine	0.000	0.223	0.213	0.400	4.5%	< 30	55.7%	53.3%	50 - 150		
Cyfluthrin	0.000	1.207	0.944	2.000	24.4%	< 30	60.3%	47.2%	30 - 150		
Cypermethrin	0.000	1.366	1.411	2.000	3.2%	< 30	68.3%	70.9%	50 - 150		
Daminozide	0.000	4.167	4.005	2.000	3.9%	< 30	208.4%	200.3%	30 - 150	Q1	
Diazinon	0.000	0.258	0.248	0.400	4.1%	< 30	64.5%	61.9%	50 - 150		
Dichlorvos	0.000	1.598	1.659	2.000	3.7%	< 30	79.9%	83.0%	50 - 150		
Dimethoat	0.000	0.339	0.332	0.400	1.9%	< 30	84.7%	83.1%	50 - 150		
Ethoprophos	0.000	0.333	0.310	0.400	7.1%	< 30	83.2%	77.5%	50 - 150		
Etofenprox	0.000	0.815	0.865	0.800	6.1%	< 30	101.8%	108.2%	50 - 150		
Etoxaol	0.010	0.327	0.350	0.400	7.2%	< 30	79.3%	85.2%	50 - 150		
Fenoxycarb	0.000	0.465	0.458	0.400	1.9%	< 30	116.6%	114.4%	50 - 150		
Fenproximat	0.000	0.749	0.757	0.800	1.2%	< 30	93.6%	94.7%	50 - 150		
Fipronil	0.000	0.681	0.654	0.800	3.9%	< 30	85.1%	81.8%	50 - 150		
Fonicamid	0.000	0.707	0.700	1.000	1.0%	< 30	70.7%	70.0%	50 - 150		
Fludioxonil	0.000	0.725	0.653	0.800	10.4%	< 30	90.8%	81.8%	50 - 150		
Hexythiazox	0.000	0.213	0.221	1.000	3.6%	< 30	21.3%	22.1%	50 - 150	Q	
Imazalil	0.000	0.295	0.277	0.400	6.2%	< 30	73.8%	69.4%	50 - 150		
Imidacloprid	0.000	0.574	0.524	0.800	9.1%	< 30	71.7%	65.9%	50 - 150		
Kiesoxim-Methyl	0.000	0.577	0.519	0.800	10.4%	< 30	72.1%	64.9%	50 - 150		
Malathion	0.000	0.326	0.302	0.400	7.5%	< 30	81.4%	75.9%	50 - 150		
Metaxalyl	0.000	0.576	0.540	0.400	6.4%	< 30	143.9%	134.9%	50 - 150		
Methiocarb	0.000	0.321	0.298	0.400	7.5%	< 30	80.3%	74.5%	50 - 150		
Methomyl	0.000	0.601	0.588	0.800	2.0%	< 30	75.1%	73.6%	50 - 150		
MGK 264	0.000	0.238	0.225	0.400	5.6%	< 30	59.6%	56.3%	50 - 150		
Mydobutani	0.000	0.494	0.448	0.400	9.8%	< 30	123.6%	112.0%	50 - 150		
Naled	0.000	0.959	0.930	1.000	3.0%	< 30	95.9%	93.0%	50 - 150		
Oxaryl	0.000	1.521	1.530	2.000	0.6%	< 30	76.1%	76.5%	50 - 150		
Padobutrazol	0.000	1.144	1.002	0.800	13.2%	< 30	143.0%	125.3%	50 - 150		
Parathion Methyl	0.000	0.509	0.630	0.800	21.3%	< 30	63.6%	78.7%	30 - 150		
Permethrin	0.000	0.313	0.321	0.400	2.5%	< 30	78.3%	80.4%	50 - 150		
Phosmet	0.000	0.269	0.262	0.400	2.7%	< 30	67.3%	65.5%	50 - 150		
Piperonyl butoxide	0.050	1.159	1.139	2.000	1.8%	< 30	55.4%	54.4%	50 - 150		
Prallethrin	0.000	0.195	0.192	0.400	1.8%	< 30	48.9%	48.0%	50 - 150	Q	
Propiconazole	0.000	0.612	0.605	0.800	1.2%	< 30	76.6%	75.6%	50 - 150		
Propoxur	0.000	0.367	0.345	0.400	6.1%	< 30	91.7%	86.3%	50 - 150		
Pyrethrins	0.000	0.205	0.210	0.413	2.6%	< 30	49.6%	50.9%	50 - 150	Q	
Pyridaben	0.000	0.266	0.281	0.400	5.2%	< 30	66.6%	70.2%	50 - 150		
Spinosad	0.000	0.430	0.416	0.388	3.2%	< 30	110.8%	107.2%	50 - 150		
Spiromesfen	0.011	0.318	0.314	0.400	1.3%	< 30	76.8%	75.8%	50 - 150		
Spirotetramat	0.000	0.394	0.384	0.400	2.5%	< 30	98.4%	96.0%	50 - 150		
Spiroxamine	0.000	0.535	0.493	0.800	8.2%	< 30	66.9%	61.6%	50 - 150		
Tebuconazol	0.000	0.568	0.539	0.800	5.2%	< 30	71.0%	67.4%	50 - 150		
Thiadoprid	0.000	0.286	0.279	0.400	2.5%	< 30	71.6%	69.8%	50 - 150		
Thiamethoxam	0.000	0.261	0.291	0.400	10.9%	< 30	65.1%	72.8%	50 - 150		
Trifloxystrobin	0.000	0.388	0.374	0.400	3.5%	< 30	97.0%	93.6%	50 - 150		



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	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.