Columbia LABORATORIES
A Tentamus Company

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

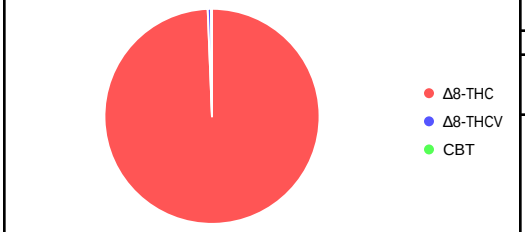
Report Number: 21-006305/D007.R000
Report Date: 06/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/08/21 10:30

Customer: Grams by Kalibloom
Product identity: Papaya Rosin
Client/Metrc ID: .
Laboratory ID: 21-006305-0012 **Sample Date:** 06/04/21 10:00

Summary

Potency:

Analyte	Result (%)
Δ8-THC†	85.2
Δ8-THCV	0.425
CBT†	0.120



CBD-Total <LOQ

THC-Total <LOQ

(Reported in percent of total sample)

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
n-Heptane	1880	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†	2.40	40.89%	ß-Myrcene†	0.953	16.24%
a-pinene†	0.609	10.37%	(-)-ß-Pinene†	0.468	7.97%
trans-ß-Ocimene†	0.298	5.08%	p-Cymene†	0.246	4.19%
Linalool†	0.195	3.32%	Camphene†	0.168	2.86%
ß-Caryophyllene†	0.143	2.44%	cis-ß-Ocimene†	0.134	2.28%
(+)-fenchol†	0.0905	1.54%	Terpinolene†	0.0485	0.83%
(-)-a-Terpineol†	0.0385	0.66%	Humulene†	0.0309	0.53%
(±)-fenchone†	0.0269	0.46%	a-Terpinene†	0.0192	0.33%
Total Terpenes†	**5.87**	**100.00%**			

Metals:

Less than LOQ for all analytes.

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ORELAP#: OR100028
Purchase Order:
Received: 06/08/21 10:30

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

Product identity: Papaya Rosin
Client/Metrc ID: .
Sample Date: 06/04/21 10:00
Laboratory ID: 21-006305-0012
Evidence of Cooling: No
Temp: 20.4 °C

Sample Results

Potency **Method** J AOAC 2015 V98-6 (mod) **Units** % **Batch:** 2105165 **Analyze:** 6/10/21 7:12:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	< LOQ		0.0952	
CBC-A†	< LOQ		0.0952	
CBC-Total†	< LOQ		0.179	
CBD	< LOQ		0.0952	
CBD-A	< LOQ		0.0952	
CBD-Total	< LOQ		0.179	
CBDV†	< LOQ		0.0952	
CBDV-A†	< LOQ		0.0952	
CBDV-Total†	< LOQ		0.178	
CBE†	< LOQ		0.0952	
CBG†	< LOQ		0.0952	
CBG-A†	< LOQ		0.0952	
CBG-Total	< LOQ		0.178	
CBL†	< LOQ		0.0952	
CBL-A†	< LOQ		0.0952	
CBL-Total†	< LOQ		0.179	
CBN	< LOQ		0.0952	
CBT†	0.120		0.0952	
Δ8-THC†	85.2		0.952	
Δ8-THCV	0.425		0.0952	
Δ9-THC	< LOQ		0.0952	
THC-A	< LOQ		0.0952	
THC-Total	< LOQ		0.179	
THCV†	< LOQ		0.0952	
THCV-A†	< LOQ		0.0952	
THCV-Total†	< LOQ		0.178	
Total Cannabinoids†	85.7			

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Solvents **Method** Residual Solvents by GC/MS **Units** µg/g **Batch** 2105036 **Analyze** 06/08/21 04:30 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	1880	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** 2105143 **Analyze** 06/11/21 10:08 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		Flonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

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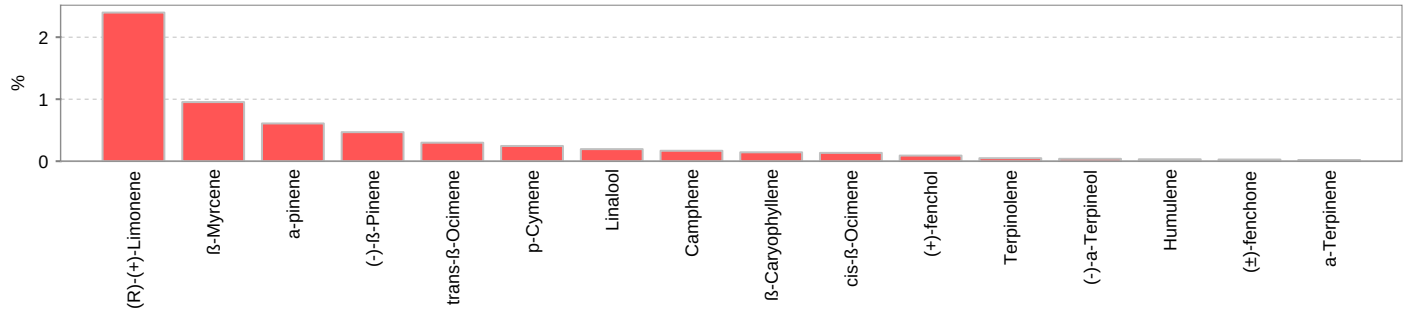
Received: 06/08/21 10:30

Terpenes

Method J AOAC 2015 V98-6 **Units** % **Batch** 2105154 **Analyze** 06/10/21 12:00 AM

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene†	2.40	0.018	40.89%		ß-Myrcene†	0.953	0.018	16.24%	
a-pinene†	0.609	0.018	10.37%		(-)-ß-Pinene†	0.468	0.018	7.97%	
trans-ß-Ocimene†	0.298	0.012	5.08%		p-Cymene†	0.246	0.018	4.19%	
Linalool†	0.195	0.018	3.32%		Camphene†	0.168	0.018	2.86%	
ß-Caryophyllene†	0.143	0.018	2.44%		cis-ß-Ocimene†	0.134	0.006	2.28%	
(+)-fenchol†	0.0905	0.018	1.54%		Terpinolene†	0.0485	0.018	0.83%	
(-)-a-Terpineol†	0.0385	0.018	0.66%		Humulene†	0.0309	0.018	0.53%	
(±)-fenchone†	0.0269	0.018	0.46%		a-Terpinene†	0.0192	0.018	0.33%	
gamma-Terpinene†	< LOQ	0.018	0.00%		d-3-Carene†	< LOQ	0.018	0.00%	
nerol†	< LOQ	0.018	0.00%		(+)-Pulegone†	< LOQ	0.018	0.00%	
(+)-Cedrol†	< LOQ	0.018	0.00%		(+)-Borneol†	< LOQ	0.018	0.00%	
a-Bisabolol†	< LOQ	0.018	0.00%		(-)-caryophyllene oxide†	< LOQ	0.018	0.00%	
(±)-Camphor†	< LOQ	0.018	0.00%		Menthol†	< LOQ	0.018	0.00%	
(-)-Guaiol†	< LOQ	0.018	0.00%		(-)-Isopulegol†	< LOQ	0.018	0.00%	
(±)-cis-Nerolidol†	< LOQ	0.018	0.00%		(±)-trans-Nerolidol†	< LOQ	0.018	0.00%	
a-cedrene†	< LOQ	0.018	0.00%		a-phellandrene†	< LOQ	0.018	0.00%	
Eucalyptol†	< LOQ	0.018	0.00%		farnesene†	< LOQ	0.018	0.00%	
Geraniol†	< LOQ	0.018	0.00%		Geranyl acetate†	< LOQ	0.018	0.00%	
Isoborneol†	< LOQ	0.018	0.00%		Sabinene†	< LOQ	0.018	0.00%	
Sabinene hydrate†	< LOQ	0.018	0.00%		valencene†	< LOQ	0.018	0.00%	
Total Terpenes	**5.87**								



Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0406	2105140	06/10/21	AOAC 2013.06 (mod.)	X
Cadmium	< LOQ		mg/kg	0.0406	2105140	06/10/21	AOAC 2013.06 (mod.)	X
Lead	< LOQ		mg/kg	0.0406	2105140	06/10/21	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.0203	2105140	06/10/21	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

Columbia LABORATORIES
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Columbia LABORATORIES
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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 21-006305
Grams by Kalibloom

Company: GRAMS BY KALIBLOOM
Contact: TAYLOR
Street: 3315 E. RUSSEL RD STE A-4 #340
City: LAS VEGAS State: NV Zip: 89120
☒ Email Results: KALIBLOOMWORLDWIDE @GMAIL.COM
Ph: (800) 9610652 ☐ Fx Results: (___)
Billing (if different): BILL TO KALIBLOOM

PO Number:
Project Number:
Project Name:
Custom Reporting:
Report to State - ☐ METRC or ☐ Other:
Turnaround time: ☐ Standard ☐ Rush * ☒ Priority Rush *
*Ask for availability
Sampled by:

Lab ID	Client Sample Identification	Date	Time	Analysis Requested: POTENCY	METALS	SOLVENTS	PESTICIDES	TERPENES	Sample Type †	Weight (Units)	Comments/Metrc ID
1	LEMON HEAD	6/4	1000	X	X	X	X	X	C	3GR	
2	GELATO #33	6/4	1000	X	X	X	X	X	C	3GR	
3	TROPICANA KUSH	6/4	1000	X	X	X	X	X	C	3GR	
4	PINEAPPLE EXPRESS	6/4	1000	X	X	X	X	X	C	3GR	
5	FIRE OG	6/4	1000	X	X	X	X	X	C	3GR	
6	ALIEN OG	6/4	1000	X	X	X	X	X	C	3GR	
7	MANGO KUSH	6/4	1000	X	X	X	X	X	C	3GR	
8	SOUR APPLE DIESEL	6/4	1000	X	X	X	X	X	C	3GR	
9	LEMONADE	6/4	1000	X	X	X	X	X	C	3GR	
10	PURP	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
	6/4	1000			
				6/8/21	1030

Lab Use Only:
☐ Shipped Via: _____ or ☐ Client drop
Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 20.4
Sample in good condition: ☐Yes | ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net:
Prelog storage:

† - Sample Type Codes: Vegitation (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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Columbia LABORATORIES
A Tentamus Company

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 21-006305
Grams by Kalibloom

Company: GRAMS BY KALIBLOOM
Contact:
Street:
City: State: Zip:
☐ Email Results:
Ph: ( ) ☐ Fx Results: ( )
Billing (if different):

PO Number:
Project Number:
Project Name:
Custom Reporting:
Report to State - ☐ METRC or ☐ Other:
Turnaround time: ☐ Standard ☐ Rush * ☒ Priority Rush *
*Ask for availability
Sampled by:

Lab ID	Client Sample Identification	Date	Time	POTENCY	METALS	SOLVENTS	PESTICIDES	TERPENES	Sample Type †	Weight (Units)	Comments/Metrc ID
12	PAPAYA ROSIN	6/4	1000	X	X	X	X	X	C	2GR	
13	STRAWBERRY COUGH	6/4	1000	X	X	X	X	X	C	2GR	
14	GUSHERS	6/4	1000	X	X	X	X	X	C	2GR	
15	WATERMELON KUSH	6/4	1000	X	X	X	X	X	C	2GR	

Relinquished By:	Date	Time	Received By:	Date	Time
	6/4	1000		6/8/21	1030

Lab Use Only:
☐ Shipped Via: _____ or ☐ Client drop
Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 20.4
Sample in good condition: ☐Yes| ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net:
Prelog storage:

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

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Laboratory Quality Control Results

Residual Solvents							Batch ID: 2105036				
Method Blank					**Laboratory Control Sample**						
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**		**Notes**
Propane	ND	<	200		464	595	µg/g	78.0	70	- 130	
Isobutane	ND	<	200		634	761	µg/g	83.3	70	- 130	
Butane	ND	<	200		644	761	µg/g	84.6	70	- 130	
2,2-Dimethylpropane	ND	<	200		739	955	µg/g	77.4	70	- 130	
Methanol	ND	<	200		1410	1600	µg/g	88.1	70	- 130	
Ethylene Oxide	ND	<	30		45.3	58.3	µg/g	77.7	70	- 130	
2-Methylbutane	ND	<	200		1350	1600	µg/g	84.4	70	- 130	
Pentane	ND	<	200		1370	1600	µg/g	85.6	70	- 130	
Ethanol	ND	<	200		1440	1610	µg/g	89.4	70	- 130	
Ethyl Ether	ND	<	200		1430	1600	µg/g	89.4	70	- 130	
2,2-Dimethylbutane	ND	<	30		144	160	µg/g	90.0	70	- 130	
Acetone	ND	<	200		1410	1600	µg/g	88.1	70	- 130	
2-Propanol	ND	<	200		1450	1610	µg/g	90.1	70	- 130	
Acetonitrile	ND	<	100		422	481	µg/g	87.7	70	- 130	
2,3-Dimethylbutane	ND	<	30		153	164	µg/g	93.3	70	- 130	
Dichloromethane	ND	<	60		441	490	µg/g	90.0	70	- 130	
2-Methylpentane	ND	<	30		140	162	µg/g	86.4	70	- 130	
3-Methylpentane	ND	<	30		140	163	µg/g	85.9	70	- 130	
Hexane	ND	<	30		132	163	µg/g	81.0	70	- 130	
Ethyl acetate	ND	<	200		1430	1600	µg/g	89.4	70	- 130	
2-Butanol	ND	<	200		1490	1600	µg/g	93.1	70	- 130	
Tetrahydrofuran	ND	<	100		482	485	µg/g	99.4	70	- 130	
Cyclohexane	ND	<	200		1540	1610	µg/g	95.7	70	- 130	
Benzene	ND	<	1		4.04	4.36	µg/g	92.7	70	- 130	
Isopropyl Acetate	ND	<	200		1490	1610	µg/g	92.5	70	- 130	
Heptane	ND	<	200		1360	1610	µg/g	84.5	70	- 130	
1,4-Dioxane	ND	<	100		466	481	µg/g	96.9	70	- 130	
2-Ethoxyethanol	ND	<	30		144	162	µg/g	88.9	70	- 130	
Ethylene Glycol	ND	<	200		393	484	µg/g	81.2	70	- 130	
Toluene	ND	<	200		467	500	µg/g	93.4	70	- 130	
Ethylbenzene	ND	<	200		920	971	µg/g	94.7	70	- 130	
m,p-Xylene	ND	<	200		974	966	µg/g	100.8	70	- 130	
o-Xylene	ND	<	200		983	967	µg/g	101.7	70	- 130	
Cumene	ND	<	30		161	164	µg/g	98.2	70	- 130	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 21-006305/D007.R000
Report Date: 06/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/08/21 10:30

QC - Sample Duplicate **Sample ID: 21-006305-0001**

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	1700	1760	200	µg/g	3.5	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g- Microgram per gram or ppm

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Revision: 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: 2105143		
Matrix Spike/Matrix Spike Duplicate Recoveries							Sample ID: 21-006246-0001			
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.052	0.980	0.896	1.000	9.4%	< 30	92.7%	84.4%	50 - 150	
Acequinocyl	0.000	2.455	2.539	4.000	3.4%	< 30	61.4%	63.5%	50 - 150	
Acetamiprid	0.000	0.395	0.391	0.400	1.0%	< 30	98.8%	97.8%	50 - 150	
Aldicarb	0.000	0.795	0.789	0.800	0.8%	< 30	99.4%	98.6%	50 - 150	
Abamectin	0.000	0.677	0.760	1.000	11.5%	< 30	67.7%	76.0%	50 - 150	
Azoxystrobin	0.000	0.395	0.371	0.400	6.1%	< 30	98.7%	92.8%	50 - 150	
Bifenazate	0.000	0.404	0.404	0.400	0.0%	< 30	100.9%	100.9%	50 - 150	
Bifenthrin	0.000	0.373	0.428	0.400	13.7%	< 30	93.2%	106.9%	50 - 150	
Boscalid	0.000	0.821	0.729	0.800	11.9%	< 30	102.6%	91.1%	50 - 150	
Carbaryl	0.000	0.389	0.390	0.400	0.0%	< 30	97.4%	97.4%	50 - 150	
Carbofuran	0.000	0.388	0.386	0.400	0.6%	< 30	96.9%	96.4%	50 - 150	
Chlorantraniliprol	0.000	0.528	0.496	0.400	6.2%	< 30	132.0%	124.0%	50 - 150	
Chlorfenapyr	0.000	1.657	1.519	2.000	8.7%	< 30	82.8%	75.9%	50 - 150	
Chlorpyrifos	0.014	0.408	0.399	0.400	2.3%	< 30	98.4%	96.2%	50 - 150	
Clofentezine	0.000	0.350	0.340	0.400	3.0%	< 30	87.5%	84.9%	50 - 150	
Cyfluthrin	0.000	1.905	1.800	2.000	5.7%	< 30	95.3%	90.0%	30 - 150	
Cypermethrin	0.000	1.810	1.732	2.000	4.4%	< 30	90.5%	86.6%	50 - 150	
Daminozide	0.066	1.994	1.953	2.000	2.2%	< 30	96.4%	94.3%	30 - 150	
Diazinon	0.000	0.402	0.383	0.400	4.7%	< 30	100.5%	95.9%	50 - 150	
Dichlorvos	0.000	2.007	1.953	2.000	2.7%	< 30	100.3%	97.7%	50 - 150	
Dimethoat	0.000	0.402	0.395	0.400	1.8%	< 30	100.5%	98.7%	50 - 150	
Ethoprophos	0.000	0.406	0.396	0.400	2.3%	< 30	101.4%	99.1%	50 - 150	
Etofenprox	0.000	0.792	0.917	0.800	14.5%	< 30	99.1%	114.6%	50 - 150	
Etoxazol	0.000	0.368	0.357	0.400	3.2%	< 30	92.1%	89.2%	50 - 150	
Fenoxycarb	0.000	0.409	0.382	0.400	6.8%	< 30	102.2%	95.5%	50 - 150	
Fenpyroximat	0.000	0.848	0.832	0.800	1.9%	< 30	106.0%	104.0%	50 - 150	
Fipronil	0.000	0.758	0.750	0.800	1.1%	< 30	94.7%	93.7%	50 - 150	
Flonicamid	0.000	0.992	0.957	1.000	3.6%	< 30	99.2%	95.7%	50 - 150	
Fludioxonil	0.000	0.882	0.794	0.800	10.5%	< 30	110.2%	99.3%	50 - 150	
Hexythiazox	0.000	1.040	1.023	1.000	1.7%	< 30	104.0%	102.3%	50 - 150	
Imazalil	0.000	0.414	0.397	0.400	4.2%	< 30	103.4%	99.2%	50 - 150	
Imidacloprid	0.000	0.772	0.765	0.800	1.0%	< 30	96.5%	95.6%	50 - 150	
Kresoxim-Methyl	0.000	0.787	0.774	0.800	1.6%	< 30	98.4%	96.8%	50 - 150	
Malathion	0.000	0.419	0.397	0.400	5.5%	< 30	104.8%	99.2%	50 - 150	
Metalaxyl	0.000	0.384	0.397	0.400	3.4%	< 30	95.9%	99.2%	50 - 150	
Methiocarb	0.000	0.376	0.330	0.400	13.1%	< 30	94.0%	82.5%	50 - 150	
Methomyl	0.000	0.788	0.726	0.800	8.1%	< 30	98.5%	90.8%	50 - 150	
MGK 264	0.000	0.265	0.271	0.400	2.1%	< 30	66.2%	67.7%	50 - 150	
Myclobutanil	0.000	0.369	0.356	0.400	3.8%	< 30	92.4%	88.9%	50 - 150	
Naled	0.000	0.957	0.948	1.000	0.9%	< 30	95.7%	94.8%	50 - 150	
Oxamyl	0.000	1.963	1.846	2.000	6.2%	< 30	98.1%	92.3%	50 - 150	
Paclobutrazol	0.000	0.795	0.772	0.800	3.0%	< 30	99.4%	96.4%	50 - 150	
Parathion Methyl	0.000	0.798	0.773	0.800	3.2%	< 30	99.8%	96.7%	30 - 150	
Permethrin	0.000	0.319	0.321	0.400	0.7%	< 30	79.7%	80.2%	50 - 150	
Phosmet	0.000	0.401	0.409	0.400	2.0%	< 30	100.1%	102.2%	50 - 150	
Piperonyl butoxide	0.000	1.950	1.942	2.000	0.4%	< 30	97.5%	97.1%	50 - 150	
Prallethrin	0.000	0.412	0.420	0.400	2.0%	< 30	102.9%	104.9%	50 - 150	
Propiconazole	0.000	0.777	0.758	0.800	2.4%	< 30	97.1%	94.8%	50 - 150	
Propoxur	0.000	0.391	0.384	0.400	1.8%	< 30	97.7%	95.9%	50 - 150	
Pyrethrins	0.000	0.335	0.318	0.413	5.3%	< 30	81.2%	77.1%	50 - 150	
Pyridaben	0.000	0.322	0.319	0.400	1.0%	< 30	80.5%	79.7%	50 - 150	
Spinosad	0.000	0.386	0.413	0.388	6.8%	< 30	99.4%	106.5%	50 - 150	
Spiromesifen	0.000	0.370	0.364	0.400	1.6%	< 30	92.5%	91.0%	50 - 150	
Spirotetramat	0.000	0.426	0.409	0.400	4.1%	< 30	106.5%	102.3%	50 - 150	
Spiroxamine	0.000	0.789	0.782	0.800	0.9%	< 30	98.7%	97.8%	50 - 150	
Tebuconazol	0.000	0.786	0.751	0.800	4.6%	< 30	98.3%	93.8%	50 - 150	
Thiacloprid	0.000	0.384	0.370	0.400	3.7%	< 30	95.9%	92.5%	50 - 150	
Thiamethoxam	0.000	0.405	0.351	0.400	14.4%	< 30	101.2%	87.7%	50 - 150	
Trifloxystrobin	0.000	0.399	0.383	0.400	4.0%	< 30	99.8%	95.9%	50 - 150	

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Purchase Order:
Received: 06/08/21 10:30

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:** 2105143

Method Blank				Laboratory Control Sample				
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**	**Notes**
Acephate	0.019	< 0.250		0.981	1.000	98.1	68.6 - 127	
Acequinocyl	0.000	< 1.000		2.998	4.000	74.9	67.8 - 126	
Acetamiprid	0.000	< 0.100		0.416	0.400	103.9	69.0 - 128	
Aldicarb	0.000	< 0.200		0.801	0.800	100.1	69.8 - 130	
Abamectin	0.000	< 0.250		1.051	1.000	105.1	69.5 - 129	
Azoxystrobin	0.000	< 0.100		0.394	0.400	98.6	68.8 - 128	
Bifenazate	0.000	< 0.100		0.418	0.400	104.5	71.1 - 132	
Bifenthrin	0.000	< 0.100		0.385	0.400	96.4	68.8 - 128	
Boscalid	0.000	< 0.200		0.903	0.800	112.9	69.3 - 129	
Carbaryl	0.008	< 0.100		0.413	0.400	103.2	68.5 - 127	
Carbofuran	0.007	< 0.100		0.408	0.400	101.9	70.4 - 131	
Chlorantraniliprol	0.000	< 0.100		0.377	0.400	94.2	70.9 - 132	
Chlorfenapyr	0.000	< 0.500		2.068	2.000	103.4	68.4 - 127	
Chlorpyrifos	0.000	< 0.100		0.409	0.400	102.3	68.1 - 126	
Clofentezine	0.000	< 0.100		0.415	0.400	103.9	68.7 - 127	
Cyfluthrin	0.000	< 0.500		2.046	2.000	102.3	69.9 - 130	
Cypermethrin	0.000	< 0.500		2.064	2.000	103.2	69.2 - 129	
Daminozide	0.082	< 0.500		2.037	2.000	101.9	69.4 - 129	
Diazinon	0.000	< 0.100		0.405	0.400	101.2	68.9 - 128	
Dichlorvos	0.000	< 0.500		2.031	2.000	101.5	67.1 - 125	
Dimethoat	0.000	< 0.100		0.407	0.400	101.6	69.0 - 128	
Ethoprophos	0.000	< 0.100		0.422	0.400	105.5	68.0 - 126	
Etofenprox	0.000	< 0.200		0.791	0.800	98.9	68.5 - 127	
Etoxazol	0.000	< 0.100		0.403	0.400	100.6	67.9 - 126	
Fenoxycarb	0.000	< 0.100		0.402	0.400	100.6	68.5 - 127	
Fenpyroximat	0.000	< 0.200		0.806	0.800	100.8	68.4 - 127	
Fipronil	0.000	< 0.200		0.836	0.800	104.4	70.2 - 130	
Flonicamid	0.000	< 0.250		1.008	1.000	100.8	68.5 - 127	
Fludioxonil	0.000	< 0.200		0.825	0.800	103.1	69.9 - 130	
Hexythiazox	0.000	< 0.250		1.012	1.000	101.2	67.7 - 126	
Imazalil	0.000	< 0.100		0.423	0.400	105.7	71.5 - 133	
Imidacloprid	0.000	< 0.200		0.821	0.800	102.6	68.0 - 126	
Kresoxim-Methyl	0.000	< 0.200		0.822	0.800	102.8	69.4 - 129	
Malathion	0.000	< 0.100		0.421	0.400	105.2	68.6 - 127	
Metalaxyl	0.000	< 0.100		0.413	0.400	103.3	68.5 - 127	
Methiocarb	0.000	< 0.100		0.352	0.400	87.9	68.5 - 127	
Methomyl	0.000	< 0.200		0.820	0.800	102.5	68.7 - 128	
MGK 264	0.000	< 0.100		0.398	0.400	99.5	68.4 - 127	
Myclobutanil	0.000	< 0.100		0.427	0.400	106.8	68.2 - 127	
Naled	0.000	< 0.250		1.014	1.000	101.4	69.8 - 130	
Oxamyl	0.000	< 0.500		2.068	2.000	103.4	69.3 - 129	
Paclobutrazol	0.000	< 0.200		0.809	0.800	101.2	68.8 - 128	
Parathion Methyl	0.000	< 0.200		1.091	0.800	*136.4*	69.5 - 129	Q1
Permethrin	0.000	< 0.100		0.392	0.400	97.9	69.0 - 128	
Phosmet	0.000	< 0.100		0.419	0.400	104.6	68.4 - 127	
Piperonyl butoxide	0.000	< 0.500		2.063	2.000	103.1	68.6 - 127	
Prallethrin	0.000	< 0.100		0.433	0.400	108.3	69.5 - 129	
Propiconazole	0.000	< 0.200		0.837	0.800	104.6	68.8 - 128	
Propoxur	0.003	< 0.100		0.402	0.400	100.6	68.0 - 126	
Pyrethrins	0.000	< 0.100		0.443	0.413	107.4	66.8 - 124	
Pyridaben	0.000	< 0.100		0.414	0.400	103.5	70.0 - 130	
Spinosad	0.000	< 0.100		0.407	0.388	104.9	72.2 - 134	
Spiromesifen	0.000	< 0.100		0.412	0.400	102.9	69.5 - 129	
Spirotetramat	0.000	< 0.100		0.416	0.400	104.1	68.6 - 127	
Spiroxamine	0.000	< 0.200		0.812	0.800	101.6	67.4 - 125	
Tebuconazol	0.000	< 0.200		0.859	0.800	107.4	69.2 - 128	
Thiacloprid	0.000	< 0.100		0.406	0.400	101.4	68.4 - 127	
Thiamethoxam	0.000	< 0.100		0.418	0.400	104.4	69.1 - 128	
Trifloxystrobin	0.000	< 0.100		0.401	0.400	100.4	68.4 - 127	

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Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2105154

Method Blank					Laboratory Control Sample					
Analyte	**Result**	**LOQ**		**Notes**	**Result**	**LCS**	**Units**	**LCS % Rec**	**Limits**	**Notes**
a-pinene	<LOQ	<	200		547	500	µg/g	***109%***	70 - 130	
Camphene	<LOQ	<	200		485	500	µg/g	***97%***	70 - 130	
Sabinene	<LOQ	<	200		451	500	µg/g	***90%***	70 - 130	
b-Pinene	<LOQ	<	200		427	500	µg/g	***85%***	70 - 130	
b-Myrcene	<LOQ	<	200		478	500	µg/g	***96%***	70 - 130	
a-phelllandrene	<LOQ	<	200		479	500	µg/g	***96%***	70 - 130	
d-3-Carene	<LOQ	<	200		550	500	µg/g	***110%***	70 - 130	
a-Terpinene	<LOQ	<	200		459	500	µg/g	***92%***	70 - 130	
p-Cymene	<LOQ	<	200		471	500	µg/g	***94%***	70 - 130	
D-Limonene	<LOQ	<	200		414	500	µg/g	***83%***	70 - 130	
Eucalyptol	<LOQ	<	200		463	500	µg/g	***93%***	70 - 130	
b-cis-Ocimene	<LOQ	<	67		182	167	µg/g	***109%***	70 - 130	
b-trans-Ocimene	<LOQ	<	133		300	333	µg/g	***90%***	70 - 130	
g-Terpinene	<LOQ	<	200		441	500	µg/g	***88%***	70 - 130	
Sabinene_Hydrate	<LOQ	<	200		434	500	µg/g	***87%***	70 - 130	
Terpinolene	<LOQ	<	200		404	500	µg/g	***81%***	70 - 130	
D-Fenchone	<LOQ	<	200		415	500	µg/g	***83%***	70 - 130	
Linalool	<LOQ	<	200		484	500	µg/g	***97%***	70 - 130	
Fenchol	<LOQ	<	200		435	500	µg/g	***87%***	70 - 130	
Camphor	<LOQ	<	200		457	500	µg/g	***91%***	70 - 130	
Isopulego	<LOQ	<	200		430	500	µg/g	***86%***	70 - 130	
Isoborneol	<LOQ	<	200		455	500	µg/g	***91%***	70 - 130	
Borneol	<LOQ	<	200		419	500	µg/g	***84%***	70 - 130	
DL-Menthol	<LOQ	<	200		475	500	µg/g	***95%***	70 - 130	
Terpineol	<LOQ	<	200		387	500	µg/g	***77%***	70 - 130	
Nerol	<LOQ	<	200		461	500	µg/g	***92%***	70 - 130	
Pulegone	<LOQ	<	200		550	500	µg/g	***110%***	70 - 130	
Gereniol	<LOQ	<	200		451	500	µg/g	***90%***	70 - 130	
Geranyl_Acetate	<LOQ	<	200		480	500	µg/g	***96%***	70 - 130	
a-Cedrene	<LOQ	<	200		448	500	µg/g	***90%***	70 - 130	
b-Caryophyllene	<LOQ	<	200		370	500	µg/g	***74%***	70 - 130	
a-Humulene	<LOQ	<	200		421	500	µg/g	***84%***	70 - 130	
Valenene	<LOQ	<	200		436	500	µg/g	***87%***	70 - 130	
cis-Nerolidol	<LOQ	<	200		478	500	µg/g	***96%***	70 - 130	
a-Farnesene	<LOQ	<	200		608	500	µg/g	***122%***	70 - 130	
trans-Nerolidol	<LOQ	<	200		436	500	µg/g	***87%***	70 - 130	
Caryophyllene_Oxide	<LOQ	<	200		551	500	µg/g	***110%***	70 - 130	
Guaiol	<LOQ	<	200		463	500	µg/g	***93%***	70 - 130	
Cedrol	<LOQ	<	200		447	500	µg/g	***89%***	70 - 130	
a-Bisabolol	<LOQ	<	200		487	500	µg/g	***97%***	70 - 130	

Definitions

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

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Portland, OR 97230
503-254-1794

Report Number: 21-006305/D007.R000
Report Date: 06/15/2021
ORELAP#: OR100028
Purchase Order:
Received: 06/08/21 10:30

Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2105154

Sample/Sample Duplicate **Sample ID: 21-006305-0002**

Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	4470	4440	183	µg/g	1%	< 20	
Camphene	1080	1040	183	µg/g	4%	< 20	
Sabinene	<LOQ	<LOQ	183	µg/g	0%	< 20	
b-Pinene	1110	1100	183	µg/g	1%	< 20	
b-Myrcene	6060	5990	183	µg/g	1%	< 20	
a-phelllandrene	<LOQ	<LOQ	183	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	183	µg/g	0%	< 20	
p-Cymene	2180	2170	183	µg/g	0%	< 20	
D-Limonene	20000	19900	183	µg/g	1%	< 20	
Eucalyptol	<LOQ	<LOQ	183	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	61.0	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	122	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	183	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	183	µg/g	0%	< 20	
Terpinolene	536	534	183	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	183	µg/g	0%	< 20	
Linalool	5200	5250	183	µg/g	1%	< 20	
Fenchol	720	722	183	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	183	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	183	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	183	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Terpineol	364	351	183	µg/g	4%	< 20	
Nerol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	183	µg/g	0%	< 20	
Gereniol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	183	µg/g	0%	< 20	
b-Caryophyllene	9660	9620	183	µg/g	0%	< 20	
a-Humulene	2420	2410	183	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	183	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	183	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	183	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	183	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	183	µg/g	0%	< 20	
a-Bisabolol	<LOQ	<LOQ	183	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference

Formulas

Relative Percent Difference

$$= \frac{|Sample\ Result\ \mu g/g - Duplicate\ Result\ \mu g/g|}{\left(\frac{Sample\ Results\ \mu g/g + Duplicate\ Result\ \mu g/g}{2}\right)} * 100\%$$

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2105165**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.195	0.2	%	97.5	85.0 - 115	Acceptable	
CBDV	0.206	0.2	%	103	85.0 - 115	Acceptable	
CBE	0.187	0.2	%	93.5	85.0 - 115	Acceptable	
CBDA	0.195	0.2	%	97.4	85.0 - 115	Acceptable	
CBGA	0.195	0.2	%	97.7	85.0 - 115	Acceptable	
CBG	0.200	0.2	%	99.8	85.0 - 115	Acceptable	
CBD	0.197	0.2	%	98.3	85.0 - 115	Acceptable	
THCV	0.197	0.2	%	98.6	85.0 - 115	Acceptable	
d8THCV	0.191	0.2	%	95.4	85.0 - 115	Acceptable	
THCVA	0.186	0.2	%	92.9	85.0 - 115	Acceptable	
CBN	0.201	0.2	%	101	85.0 - 115	Acceptable	
exo-THC	0.183	0.2	%	91.3	85.0 - 115	Acceptable	
d9THC	0.198	0.2	%	98.9	85.0 - 115	Acceptable	
d8THC	0.195	0.2	%	97.5	85.0 - 115	Acceptable	
CBL	0.174	0.2	%	86.9	85.0 - 115	Acceptable	
CBC	0.198	0.2	%	98.8	85.0 - 115	Acceptable	
THCA	0.184	0.2	%	91.8	85.0 - 115	Acceptable	
CBCA	0.187	0.2	%	93.6	85.0 - 115	Acceptable	
CBLA	0.194	0.2	%	97.1	85.0 - 115	Acceptable	
CBT	0.200	0.2	%	100	85.0 - 115	Acceptable	

Method Blank

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

Abbreviations

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

Units of Measure:

% - Percent

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Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2105165**

Sample Duplicate Sample ID: **21-006250-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	0.919	0.904	0.1	%	1.61	< 20	Acceptable	
CBE	1.68	1.67	0.1	%	0.628	< 20	Acceptable	
CBDA	0.132	0.125	0.1	%	5.72	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	7.66	7.14	0.1	%	7.09	< 20	Acceptable	
CBD	85.7	93.0	0.1	%	8.19	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	<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	<LOQ	<LOQ	0.1	%	NA	< 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	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	<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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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.