



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



Report Number: 22-000813/D018.R000
Report Date: 02/03/2022
ORELAP#: OR100028
Purchase Order: 210035
Received: 01/21/22 15:08

Customer: KIK By Kalibloom
Product identity: Gushers
Project Number: 210035
Client/Metric ID: .
Laboratory ID: 22-000813-0008

Summary

Potency:

Analyte	Result (%)		
Δ8-THC [†]	85.1		CBD-Total <LOQ
Δ8-THCV	0.385		THC-Total <LOQ
CBT [†]	0.197		(Reported in percent of total sample)

Residual Solvents:

Analyte	Result (µg/g)	Limits (µg/g)	Status
2-Propanol (IPA)	2240	5000	pass
n-Heptane	351	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 [†]	1.22	45.69%	β-Myrcene [†]	0.348	13.03%
(-)-β-Pinene [†]	0.228	8.54%	a-pinene [†]	0.213	7.98%
p-Cymene [†]	0.138	5.17%	trans-β-Ocimene [†]	0.107	4.01%
(+)-fenchol [†]	0.0835	3.13%	Linalool [†]	0.0768	2.88%
β-Caryophyllene [†]	0.0697	2.61%	Camphene [†]	0.0667	2.50%
cis-β-Ocimene [†]	0.0553	2.07%	Humulene [†]	0.0367	1.37%
d-3-Carene [†]	0.0312	1.17%	Total Terpenes[†]	2.67	100.00%

Metals:

Less than LOQ for all analytes.



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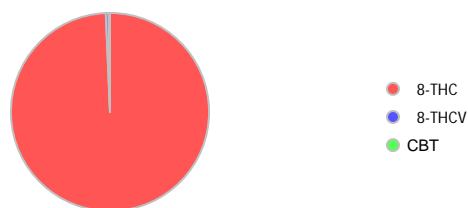


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Customer: KIK By Kalibloom
 United States of America (USA)
Product identity: Gushers
Project Number: 210035
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-000813-0008
Evidence of Cooling: No
Temp: 15.5 °C
Relinquished by: Fedex

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2200791	Analyze: 1/27/22 5:46:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	< LOQ		0.0869			
CBC-A†	< LOQ		0.0869			
CBC-Total†	< LOQ		0.163			
CBD	< LOQ		0.0869			
CBD-A	< LOQ		0.0869			
CBD-Total	< LOQ		0.163			
CBDV†	< LOQ		0.0869			
CBDV-A†	< LOQ		0.0869			
CBDV-Total†	< LOQ		0.162			
CBE†	< LOQ		0.0869			
CBG†	< LOQ		0.0869			
CBG-A†	< LOQ		0.0869			
CBG-Total	< LOQ		0.162			
CBL†	< LOQ		0.0869			
CBL-A†	< LOQ		0.0869			
CBL-Total†	< LOQ		0.163			
CBN	< LOQ		0.0869			
CBT†	0.197		0.0869			
Δ8-THC†	85.1		0.869			
Δ8-THCV	0.385		0.0869			
Δ9-THC	< LOQ		0.0869			
THC-A	< LOQ		0.0869			
THC-Total	< LOQ		0.163			
THCV†	< LOQ		0.0869			
THCV-A†	< LOQ		0.0869			
THCV-Total†	< LOQ		0.162			
Total Cannabinoids†	85.7					





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Solvents						Residual Solvents by GC/MS						Units µg/g		Batch 2200764		Analyze 01/28/22 09:13 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 (Isopentane)	< LOQ		200										
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	2240	5000	200	pass									
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< 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 (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200										
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass									
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200										
n-Heptane	351	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 benzene	< LOQ	2170	600	pass									



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2200760 Analyze 01/28/22 08:22 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							

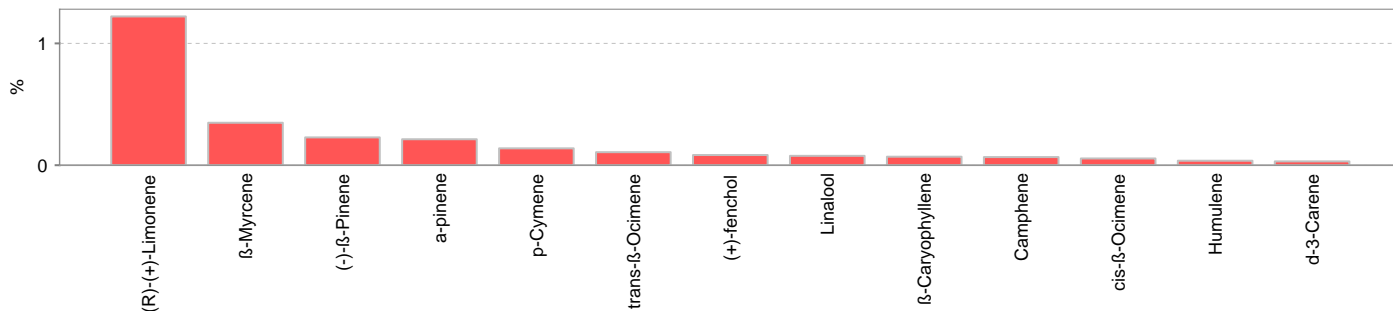


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Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2200907	Analyze 02/01/22 10:30 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene [†]	1.22	0.018	45.69%		β-Myrcene [†]	0.348	0.018	13.034%	
(-)-β-Pinene [†]	0.228	0.018	8.539%		α-pinene [†]	0.213	0.018	7.978%	
p-Cymene [†]	0.138	0.018	5.169%		trans-β-Ocimene [†]	0.107	0.012	4.007%	
(+)-fenchol [†]	0.0835	0.018	3.1273%		Linalool [†]	0.0768	0.018	2.8764%	
β-Caryophyllene [†]	0.0697	0.018	2.6105%		Camphene [†]	0.0667	0.018	2.4981%	
cis-β-Ocimene [†]	0.0553	0.006	2.0712%		Humulene [†]	0.0367	0.018	1.3745%	
d-3-Carene [†]	0.0312	0.018	1.1685%		(-)-α-Terpineol [†]	< LOQ	0.018	0.00%	
Terpinolene [†]	< LOQ	0.018	0.00%		(±)-fenchone [†]	< LOQ	0.018	0.00%	
Geraniol [†]	< LOQ	0.018	0.00%		γ-Terpinene [†]	< LOQ	0.018	0.00%	
nerol [†]	< LOQ	0.018	0.00%		(±)-Camphor [†]	< LOQ	0.018	0.00%	
α-Terpinene [†]	< LOQ	0.018	0.00%		(+)-Pulegone [†]	< LOQ	0.018	0.00%	
(-)-Isopulegol [†]	< LOQ	0.018	0.00%		(-)-caryophyllene oxide [†]	< LOQ	0.018	0.00%	
Menthol [†]	< LOQ	0.018	0.00%		Sabinene hydrate [†]	< LOQ	0.018	0.00%	
farnesene [†]	< LOQ	0.018	0.00%		(-)-Guaiol [†]	< LOQ	0.018	0.00%	
(+)-Borneol [†]	< LOQ	0.018	0.00%		(+)-Cedrol [†]	< LOQ	0.018	0.00%	
(±)-cis-Nerolidol [†]	< LOQ	0.018	0.00%		(±)-trans-Nerolidol [†]	< LOQ	0.018	0.00%	
α-Bisabolol [†]	< LOQ	0.018	0.00%		α-cedrene [†]	< LOQ	0.018	0.00%	
α-phellandrene [†]	< LOQ	0.018	0.00%		Eucalyptol [†]	< LOQ	0.018	0.00%	
Geranyl acetate [†]	< LOQ	0.018	0.00%		Isoborneol [†]	< LOQ	0.018	0.00%	
Sabinene [†]	< LOQ	0.018	0.00%		valencene [†]	< LOQ	0.018	0.00%	
Total Terpenes	2.67								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0361	2200758	01/27/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0361	2200758	01/27/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0361	2200758	01/27/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0181	2200758	01/27/22	AOAC 2013.06 (mod.)	pass	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, CCR title 16-division 42. BCC-section 5723

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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Hemp / Cannabis Usable / Extract
 Chain of Custody Record

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

Company: <u>Kik By Kaliblum</u> Contact: <u>Taylor</u> Street: <u>5315 E Russel Rd STE 411</u> City: <u>Las Vegas</u> State: <u>NV</u> Zip: <u>89121</u> <input type="checkbox"/> Email Results: <u>kaliblumworldwide@gmail.com</u> Ph: () Fx Results: () Billing (if different):				Analysis Requested <table border="1"> <tr> <th>Potency</th> <th>Metals</th> <th>Solvents</th> <th>Pesticides</th> <th>Terpene</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr> </table>					Potency	Metals	Solvents	Pesticides	Terpene						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						X	X	X	X	X						PO Number: <u>210035</u> Project Number: <u>210035</u> 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 * <small>*Ask for availability</small> Sampled by: _____		
Potency	Metals	Solvents	Pesticides	Terpene																																																																																																																															
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Lab ID	Client Sample Identification	Date	Time	Sample Type †	Weight (Units)	Comments/Metric ID																																																																																																																													
	Berry Kush																																																																																																																																		
	Biscotti																																																																																																																																		
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	Gelato #41																																																																																																																																		
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Relinquished By:	Date	Time	Received By:	Date	Time	Lab Use Only:																																																																																																																													
			<u>DS</u>	<u>1/21/22</u>	<u>15:08</u>	<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>15.5°C</u> Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____																																																																																																																													

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

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

Company: <u>KIK BY kaliblam</u> Contact: <u>Taylor</u> Street: <u>3315 E Russel Rd st A4</u> City: <u># 314 LA</u> State: <u>NJ</u> Zip: <u>07000</u> <input type="checkbox"/> Email Results: <u>kaliblamurde@gmail</u> Ph: () _____ <input type="checkbox"/> Fx Results: () _____ Billing (if different): _____				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 * *Ask for availability		
Lab ID	Client Sample Identification	Date	Time	Potency	Metals	solvents	Pesticides	Terpenes	Sample Type †	Weight (Units)	Comments/Metrc ID
	Runtz			X	X	X	X	X			
	Ice cream cake			X	X	X	X	X			
	Sour Diesel sauce			X	X	X	X	X			
	Blue Dream			X	X	X	X	X			
	Gorilla glue			X	X	X	X	X			
	Girl Scout Cookies			X	X	X	X	X			
	NYC Diesel			X	X	X	X	X			
	Paris og			X	X	X	X	X			
	Exotic Jack			X	X	X	X	X			
	Mimosa			X	X	X	X	X			
	Master Kush			X	X	X	X	X			
Relinquished By:	Date	Time	Received By:	Date	Time	Lab Use Only:					
			<u>DS</u>	<u>1/21/22</u>	<u>15:08</u>	<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>15.5°C</u> Sample in good conditions: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____ Prelog storage: _____					

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

12423 NE Whitaker Way
 Portland, OR 97230

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



Report Number: 22-000813/D018.R000
Report Date: 02/03/2022
ORELAP#: OR100028
Purchase Order: 210035
Received: 01/21/22 15:08



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

Job Number: _____ Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 1/21/22 Time: 15:08

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

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

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

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

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

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

Tracking Number (written in or copy of shipping label): 2889 5979 0339

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: 15.5°C



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Report Number: 22-000813/D018.R000
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Received: 01/21/22 15:08

Revision: 3 Document ID: 3120
 Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Laboratory Control Sample			Batch ID: 2200760	
Method Blank	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acetate	0.099	< 0.250		0.995	1.000	99.5	75.8 - 126	
Acequinocyl	0.000	< 1.000		3.821	4.000	95.5	68.7 - 123	
Acetamiprid	0.000	< 0.100		0.359	0.400	89.8	82.4 - 119	
Aldicarb	0.000	< 0.200		0.739	0.800	92.3	69.8 - 130	
Abamectin	0.000	< 0.250		0.940	1.000	94.0	71.4 - 130	
Azoxystrobin	0.000	< 0.100		0.380	0.400	94.9	74.6 - 125	
Bifenazate	0.000	< 0.100		0.359	0.400	89.7	89.3 - 166	
Bifenthrin	0.000	< 0.100		0.374	0.400	93.4	70.4 - 124	
Boscalid	0.000	< 0.200		0.733	0.800	91.6	74.4 - 131	
Carbaryl	0.000	< 0.100		0.360	0.400	90.0	80.9 - 122	
Carbofuran	0.000	< 0.100		0.365	0.400	91.3	71.7 - 133	
Chlorantraniliprol	0.000	< 0.100		0.364	0.400	90.9	82.3 - 120	
Chlorfenapyr	0.000	< 0.500		1.735	2.000	86.7	71.8 - 133	
Chlorpyrifos	0.000	< 0.100		0.325	0.400	81.3	75.6 - 119	
Clofentazine	0.000	< 0.100		0.356	0.400	89.0	76.4 - 122	
Cyfluthrin	0.000	< 0.500		1.778	2.000	88.9	70.3 - 131	
Cypermethrin	0.000	< 0.500		1.845	2.000	92.3	75.4 - 126	
Daminozide	0.158	< 0.500		1.874	2.000	93.7	75.9 - 141	
Diazinon	0.000	< 0.100		0.366	0.400	91.6	72.3 - 134	
Dichlorvos	0.000	< 0.500		1.782	2.000	89.1	82.5 - 113	
Dimethoat	0.000	< 0.100		0.357	0.400	89.2	82.7 - 118	
Ethoprophos	0.000	< 0.100		0.360	0.400	90.0	74.9 - 126	
Etofenprox	0.000	< 0.200		0.763	0.800	95.3	72.8 - 135	
Etoxazol	0.000	< 0.100		0.367	0.400	91.6	72.1 - 132	
Fenoxycarb	0.000	< 0.100		0.365	0.400	91.2	81.7 - 119	
Fenpyroximat	0.000	< 0.200		0.750	0.800	93.7	80.2 - 122	
Fipronil	0.000	< 0.200		0.731	0.800	91.4	84.4 - 128	
Flonicamid	0.000	< 0.250		0.871	1.000	87.1	72.7 - 125	
Fludioxonil	0.000	< 0.200		0.703	0.800	87.9	72.2 - 134	
Hexythiazox	0.000	< 0.250		0.908	1.000	90.8	70.6 - 131	
Imazalil	0.000	< 0.100		0.352	0.400	88.0	74.7 - 132	
Imidacloprid	0.000	< 0.200		0.701	0.800	87.6	81.4 - 121	
Kresoxim-Methyl	0.000	< 0.200		0.719	0.800	89.9	77.8 - 125	
Malathion	0.000	< 0.100		0.356	0.400	89.0	78.3 - 129	
Metaxyl	0.000	< 0.100		0.358	0.400	89.5	81.1 - 121	
Methiocarb	0.000	< 0.100		0.367	0.400	91.9	82.2 - 120	
Methomyl	0.000	< 0.200		0.721	0.800	90.1	67.8 - 126	
MKG 264	0.000	< 0.100		0.362	0.400	90.4	77.6 - 124	
Myclobutanil	0.000	< 0.100		0.363	0.400	90.7	75.5 - 127	
Naled	0.000	< 0.250		0.901	1.000	90.1	75.7 - 124	
Oxamyl	0.000	< 0.500		1.688	2.000	84.4	72.6 - 124	
Paclobutrazol	0.000	< 0.200		0.747	0.800	93.3	78.4 - 122	
Parathion Methyl	0.000	< 0.200		0.724	0.800	90.5	80.2 - 128	
Permethrin	0.000	< 0.100		0.358	0.400	89.4	68.7 - 128	
Phosmet	0.000	< 0.100		0.356	0.400	88.9	79.6 - 123	
Piperonyl butoxide	0.000	< 0.500		1.771	2.000	88.5	71.2 - 132	
Prallethrin	0.000	< 0.100		0.365	0.400	91.2	78.5 - 123	
Propiconazole	0.000	< 0.200		0.765	0.800	95.6	81.7 - 121	
Propoxur	0.000	< 0.100		0.367	0.400	91.7	73.2 - 128	
Pyrethrins	0.000	< 0.100		0.438	0.413	105.9	72.6 - 135	
Pyridaben	0.000	< 0.100		0.384	0.400	96.0	72.0 - 127	
Spinosad	0.000	< 0.100		0.352	0.388	90.8	73.6 - 137	
Spiromesifen	0.000	< 0.100		0.406	0.400	101.6	75.9 - 127	
Spirotetramat	0.000	< 0.100		0.365	0.400	91.3	80.3 - 123	
Spiroxamine	0.000	< 0.200		0.693	0.800	86.6	76.4 - 121	
Tebuconazol	0.000	< 0.200		0.734	0.800	91.8	80.9 - 122	
Thiacloprid	0.000	< 0.100		0.361	0.400	90.3	83.1 - 121	
Thiamethoxam	0.000	< 0.100		0.316	0.400	79.1	72.6 - 128	
Trifloxystrobin	0.000	< 0.100		0.359	0.400	89.8	77.4 - 127	



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Report Number: 22-000813/D018.R000
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 Received: 01/21/22 15:08

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2200760			
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 22-000813-0004								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Accephate	0.135	0.964	1.074	1.000	12.5%	< 30	82.9%	93.9%	50 - 150	
Acequinocyl	0.000	2.887	5.533	4.000	62.8%	< 30	72.2%	138.3%	50 - 150	R
Acetamiprid	0.000	0.366	0.391	0.400	6.8%	< 30	91.4%	97.8%	50 - 150	
Aldicarb	0.000	0.783	0.798	0.800	1.8%	< 30	97.9%	99.7%	50 - 150	
Abamectin	0.000	1.127	1.013	1.000	10.7%	< 30	112.7%	101.3%	50 - 150	
Azoxystrobin	0.000	0.364	0.388	0.400	6.2%	< 30	91.1%	96.9%	50 - 150	
Bifenazate	0.000	0.463	0.459	0.400	0.9%	< 30	115.8%	114.7%	50 - 150	
Bifenthrin	0.000	0.426	0.536	0.400	22.9%	< 30	106.5%	134.1%	50 - 150	
Boscalid	0.000	0.737	0.736	0.800	0.2%	< 30	92.2%	92.0%	50 - 150	
Carbaryl	0.000	0.360	0.382	0.400	5.9%	< 30	90.1%	95.5%	50 - 150	
Carbofuran	0.000	0.378	0.384	0.400	1.7%	< 30	94.4%	96.0%	50 - 150	
Chlorantraniliprol	0.000	0.379	0.385	0.400	1.5%	< 30	94.8%	96.3%	50 - 150	
Chlorfenapyr	0.000	1.149	0.940	2.000	20.0%	< 30	57.4%	47.0%	50 - 150	Q
Chlorpyrifos	0.000	0.398	0.390	0.400	2.3%	< 30	99.6%	97.4%	50 - 150	
Clofentazine	0.000	0.393	0.388	0.400	1.4%	< 30	98.3%	96.9%	50 - 150	
Cyfluthrin	0.000	1.993	2.120	2.000	6.2%	< 30	99.7%	106.0%	30 - 150	
Cypermethrin	0.000	1.989	2.010	2.000	1.1%	< 30	99.4%	100.5%	50 - 150	
Daminozide	0.143	1.655	1.723	2.000	4.4%	< 30	75.6%	79.0%	30 - 150	
Diazinon	0.000	0.376	0.371	0.400	1.2%	< 30	94.0%	92.8%	50 - 150	
Dichlorvos	0.000	1.873	2.014	2.000	7.2%	< 30	93.7%	100.7%	50 - 150	
Dimethoat	0.000	0.369	0.383	0.400	3.7%	< 30	92.4%	95.8%	50 - 150	
Ethoprophos	0.000	0.354	0.375	0.400	5.6%	< 30	88.6%	93.7%	50 - 150	
Etofenprox	0.000	0.888	1.002	0.800	12.0%	< 30	111.0%	125.2%	50 - 150	
Etoxazol	0.000	0.451	0.454	0.400	0.7%	< 30	112.7%	113.4%	50 - 150	
Fenoxycarb	0.000	0.374	0.383	0.400	2.4%	< 30	93.5%	95.7%	50 - 150	
Fenpyroximat	0.000	0.787	0.814	0.800	3.4%	< 30	98.4%	101.8%	50 - 150	
Fipronil	0.000	0.821	0.835	0.800	1.7%	< 30	102.6%	104.4%	50 - 150	
Flonicamid	0.000	0.936	0.946	1.000	1.1%	< 30	93.6%	94.6%	50 - 150	
Fludioxonil	0.000	0.786	0.756	0.800	3.9%	< 30	98.2%	94.5%	50 - 150	
Hexythiazox	0.000	0.701	0.726	1.000	3.6%	< 30	70.1%	72.6%	50 - 150	
Imazalil	0.000	0.316	0.334	0.400	5.6%	< 30	79.0%	83.6%	50 - 150	
Imidacloprid	0.000	0.716	0.746	0.800	4.2%	< 30	89.5%	93.3%	50 - 150	
Kresoxim-Methyl	0.000	0.757	0.800	0.800	5.5%	< 30	94.6%	100.0%	50 - 150	
Malathion	0.000	0.357	0.378	0.400	5.7%	< 30	89.4%	94.6%	50 - 150	
Metaxyl	0.000	0.364	0.365	0.400	0.4%	< 30	91.0%	91.4%	50 - 150	
Methiocarb	0.000	0.370	0.374	0.400	1.0%	< 30	92.6%	93.6%	50 - 150	
Methomyl	0.000	0.701	0.757	0.800	7.6%	< 30	87.7%	94.6%	50 - 150	
MGK 264	0.000	0.369	0.385	0.400	4.2%	< 30	92.2%	96.2%	50 - 150	
Myclobutanil	0.000	0.372	0.363	0.400	2.4%	< 30	92.9%	90.7%	50 - 150	
Naled	0.000	0.920	0.917	1.000	0.4%	< 30	92.0%	91.7%	50 - 150	
Oxamyl	0.000	1.765	1.835	2.000	3.9%	< 30	88.2%	91.8%	50 - 150	
Paclobutrazol	0.000	0.747	0.768	0.800	2.8%	< 30	93.3%	96.0%	50 - 150	
Parathion Methyl	0.000	0.732	0.824	0.800	11.8%	< 30	91.5%	103.0%	30 - 150	
Permethrin	0.000	0.438	0.467	0.400	6.6%	< 30	109.4%	116.8%	50 - 150	
Phosmet	0.000	0.368	0.388	0.400	5.3%	< 30	91.9%	96.9%	50 - 150	
Piperonyl butoxide	0.000	1.793	1.846	2.000	2.9%	< 30	89.6%	92.3%	50 - 150	
Prallethrin	0.000	0.401	0.391	0.400	2.6%	< 30	100.3%	97.8%	50 - 150	
Propiconazole	0.000	0.760	0.772	0.800	1.6%	< 30	95.0%	96.5%	50 - 150	
Propoxur	0.000	0.384	0.378	0.400	1.6%	< 30	96.0%	94.5%	50 - 150	
Pyrethrins	0.000	0.848	0.813	0.413	4.2%	< 30	205.2%	196.7%	50 - 150	Q1
Pyridaben	0.000	0.497	0.495	0.400	0.4%	< 30	124.2%	123.7%	50 - 150	
Spinosad	0.000	0.365	0.362	0.388	0.9%	< 30	94.1%	93.3%	50 - 150	
Spiromesifen	0.000	0.378	0.392	0.400	3.6%	< 30	94.6%	98.1%	50 - 150	
Spirotetramat	0.000	0.361	0.394	0.400	8.7%	< 30	90.4%	98.5%	50 - 150	
Spiroxamine	0.000	0.741	0.750	0.800	1.2%	< 30	92.6%	93.7%	50 - 150	
Tebuconazol	0.000	0.737	0.771	0.800	4.5%	< 30	92.1%	96.4%	50 - 150	
Thiacloprid	0.000	0.378	0.394	0.400	4.1%	< 30	94.4%	98.4%	50 - 150	
Thiamethoxam	0.000	0.324	0.364	0.400	11.6%	< 30	81.0%	90.9%	50 - 150	
Trifloxystrobin	0.000	0.360	0.360	0.400	0.0%	< 30	89.9%	89.9%	50 - 150	



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Revision: Document ID:
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Laboratory Quality Control Results									
Residual Solvents					Batch ID: 2200764				
Method Blank			Laboratory Control Sample						
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		472	401	µg/g	117.7	70	130
Isobutane	ND	< 200		534	498	µg/g	107.2	70	130
Butane	ND	< 200		539	493	µg/g	109.3	70	130
2,2-Dimethylpropane	ND	< 200		798	628	µg/g	127.1	70	130
Methanol	ND	< 200		1910	1610	µg/g	118.6	70	130
Ethylene Oxide	ND	< 30		45	37.2	µg/g	121.0	70	130
2-Methylbutane	ND	< 200		1840	1630	µg/g	112.9	70	130
Pentane	ND	< 200		1870	1610	µg/g	116.1	70	130
Ethanol	ND	< 200		1780	1630	µg/g	109.2	70	130
Ethyl Ether	ND	< 200		1910	1610	µg/g	118.6	70	130
2,2-Dimethylbutane	ND	< 30		195	165	µg/g	115.2	70	130
Acetone	ND	< 200		1880	1610	µg/g	116.8	70	130
2-Propanol	ND	< 200		1710	1610	µg/g	106.2	70	130
Acetonitrile	ND	< 100		567	498	µg/g	113.9	70	130
2,3-Dimethylbutane	ND	< 30		200	162	µg/g	123.5	70	130
Dichloromethane	ND	< 60		531	498	µg/g	106.6	70	130
2-Methylpentane	ND	< 30		194	167	µg/g	116.2	70	130
3-Methylpentane	ND	< 30		182	179	µg/g	101.7	70	130
Hexane	ND	< 30		169	164	µg/g	103.0	70	130
Ethyl acetate	ND	< 200		1920	1620	µg/g	118.5	70	130
2-Butanol	ND	< 200		1880	1600	µg/g	117.5	70	130
Tetrahydrofuran	ND	< 100		541	500	µg/g	108.2	70	130
Cyclohexane	ND	< 200		1720	1610	µg/g	106.8	70	130
Benzene	ND	< 1		6.13	5.62	µg/g	109.1	70	130
Isopropyl Acetate	ND	< 200		1750	1610	µg/g	108.7	70	130
Heptane	ND	< 200		1770	1610	µg/g	109.9	70	130
1,4-Dioxane	ND	< 100		569	502	µg/g	113.3	70	130
2-Ethoxyethanol	ND	< 30		199	164	µg/g	121.3	70	130
Ethylene Glycol	ND	< 200		675	502	µg/g	134.5	70	130 Q1
Toluene	ND	< 200		547	488	µg/g	112.1	70	130
Ethylbenzene	ND	< 200		1080	965	µg/g	111.9	70	130
m,p-Xylene	ND	< 200		1120	990	µg/g	113.1	70	130
o-Xylene	ND	< 200		1090	971	µg/g	112.3	70	130
Cumene	ND	< 30		206	179	µg/g	115.1	70	130



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Revision: Document ID:
 Legacy ID: Effective:

QC - Sample Duplicate Sample ID: 22-000813-0007

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	264	254	200	µg/g	3.9	< 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

Q1 - Quality control result biased high. Only non-detect samples reported.

Units of Measure:

µg/g - Microgram per gram or ppm



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Report Number: 22-000813/D018.R000
Report Date: 02/03/2022
ORELAP#: OR100028
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Received: 01/21/22 15:08

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Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2200791

Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.193	0.2	%	96.6	85.0 - 115	Acceptable	
CBDV	0.207	0.2	%	103	85.0 - 115	Acceptable	
CBE	0.200	0.2	%	99.9	85.0 - 115	Acceptable	
CBDA	0.214	0.2	%	107	85.0 - 115	Acceptable	
CBGA	0.195	0.2	%	97.3	85.0 - 115	Acceptable	
CBG	0.188	0.2	%	94.1	85.0 - 115	Acceptable	
CBD	0.201	0.2	%	101	85.0 - 115	Acceptable	
THCV	0.185	0.2	%	92.4	85.0 - 115	Acceptable	
d8THCV	0.192	0.2	%	95.8	85.0 - 115	Acceptable	
THCVA	0.209	0.2	%	105	85.0 - 115	Acceptable	
CBN	0.202	0.2	%	101	85.0 - 115	Acceptable	
exo-THC	0.189	0.2	%	94.3	85.0 - 115	Acceptable	
d9THC	0.200	0.2	%	100	85.0 - 115	Acceptable	
d8THC	0.172	0.2	%	86.0	85.0 - 115	Acceptable	
CBL	0.170	0.2	%	85.1	85.0 - 115	Acceptable	
CBC	0.188	0.2	%	93.9	85.0 - 115	Acceptable	
THCA	0.203	0.2	%	102	85.0 - 115	Acceptable	
CBCA	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBLA	0.210	0.2	%	105	85.0 - 115	Acceptable	
CBT	0.191	0.2	%	95.6	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: 2200791								
Sample Duplicate								
Sample ID: 22-000813-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	0.379	0.378	0.1	%	0.150	< 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	86.9	84.9	0.1	%	2.31	< 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	0.271	0.211	0.1	%	25.0	< 20	Outlier	R, Q6

Abbreviations

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- R - Relative percent difference (RPD) outside control limit.
- Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

% - Percent



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 Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference: EPA 5035				Batch ID: 2200907					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		416	500	µg/g	83%	70 - 130	
Camphene	<LOQ	< 200		413	500	µg/g	83%	70 - 130	
Sabinene	<LOQ	< 200		428	500	µg/g	86%	70 - 130	
b-Pinene	<LOQ	< 200		437	500	µg/g	87%	70 - 130	
b-Myrcene	<LOQ	< 200		431	500	µg/g	86%	70 - 130	
a-phellandrene	<LOQ	< 200		491	500	µg/g	98%	70 - 130	
d-3-Carene	<LOQ	< 200		408	500	µg/g	82%	70 - 130	
a-Terpinene	<LOQ	< 200		396	500	µg/g	79%	70 - 130	
p-Cymene	<LOQ	< 200		376	500	µg/g	75%	70 - 130	
D-Limonene	<LOQ	< 200		412	500	µg/g	82%	70 - 130	
Eucalyptol	<LOQ	< 200		405	500	µg/g	81%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		125	167	µg/g	75%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		281	333	µg/g	84%	70 - 130	
g-Terpinene	<LOQ	< 200		398	500	µg/g	80%	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		388	500	µg/g	78%	70 - 130	
Terpinolene	<LOQ	< 200		419	500	µg/g	84%	70 - 130	
D-Fenchone	<LOQ	< 200		446	500	µg/g	89%	70 - 130	
Linalool	<LOQ	< 200		381	500	µg/g	76%	70 - 130	
Fenchol	<LOQ	< 200		388	500	µg/g	78%	70 - 130	
Camphor	<LOQ	< 200		392	500	µg/g	78%	70 - 130	
Isopulego	<LOQ	< 200		395	500	µg/g	79%	70 - 130	
Isoborneol	<LOQ	< 200		388	500	µg/g	78%	70 - 130	
Borneol	<LOQ	< 200		388	500	µg/g	78%	70 - 130	
DL-Menthol	<LOQ	< 200		383	500	µg/g	77%	70 - 130	
Terpineol	<LOQ	< 200		365	500	µg/g	73%	70 - 130	
Nerol	<LOQ	< 200		380	500	µg/g	76%	70 - 130	
Pulegone	<LOQ	< 200		394	500	µg/g	79%	70 - 130	
Geraniol	<LOQ	< 200		358	500	µg/g	72%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		386	500	µg/g	77%	70 - 130	
a-Cedrene	<LOQ	< 200		393	500	µg/g	79%	70 - 130	
b-Caryophyllene	<LOQ	< 200		404	500	µg/g	81%	70 - 130	
a-Humulene	<LOQ	< 200		428	500	µg/g	86%	70 - 130	
Valenene	<LOQ	< 200		407	500	µg/g	81%	70 - 130	
cis-Nerolidol	<LOQ	< 200		420	500	µg/g	84%	70 - 130	
a-Farnesene	<LOQ	< 200		415	500	µg/g	83%	70 - 130	
trans-Nerolidol	<LOQ	< 200		400	500	µg/g	80%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		443	500	µg/g	89%	70 - 130	
Guaiol	<LOQ	< 200		410	500	µg/g	82%	70 - 130	
Cedrol	<LOQ	< 200		388	500	µg/g	78%	70 - 130	
a-Bisabolol	<LOQ	< 200		423	500	µg/g	85%	70 - 130	

Definitions

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



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Terpenes Quality Control Results

Method Reference: EPA 5035		Batch ID: 2200907					
Sample/Sample Duplicate		Sample ID: 22-000813-0007					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	763	771	195	µg/g	1%	< 20	
Camphene	<LOQ	195	195	µg/g	0%	< 20	R2
Sabinene	<LOQ	<LOQ	195	µg/g	0%	< 20	
b-Pinene	1040	1080	195	µg/g	4%	< 20	
b-Myrcene	3270	3300	195	µg/g	1%	< 20	
a-phellandrene	<LOQ	<LOQ	195	µg/g	0%	< 20	
d-3-Carene	434	438	195	µg/g	1%	< 20	
a-Terpinene	<LOQ	<LOQ	195	µg/g	0%	< 20	
p-Cymene	858	873	195	µg/g	2%	< 20	
D-Limonene	6540	6580	195	µg/g	1%	< 20	
Eucalyptol	<LOQ	<LOQ	195	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	64.9	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	130	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	195	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	195	µg/g	0%	< 20	
Terpinolene	376	374	195	µg/g	1%	< 20	
D-Fenchone	<LOQ	<LOQ	195	µg/g	0%	< 20	
Linalool	1420	1440	195	µg/g	1%	< 20	
Fenchol	970	994	195	µg/g	2%	< 20	
Camphor	208	212	195	µg/g	2%	< 20	
Isopulego	<LOQ	<LOQ	195	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	195	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Terpineol	442	446	195	µg/g	1%	< 20	
Nerol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	195	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	195	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	195	µg/g	0%	< 20	
b-Caryophyllene	3830	3840	195	µg/g	0%	< 20	
a-Humulene	656	660	195	µg/g	1%	< 20	
Valenene	<LOQ	<LOQ	195	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	195	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	195	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	195	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	195	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	195	µg/g	0%	< 20	
a-Bisabolol	388	393	195	µg/g	1%	< 20	

Definitions

RPD	Relative Percent Difference
R2	Sample replicates RPD non-calculable, as only one replicate is within analytical range.



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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.