



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



Report Number: 22-007445/D006.R000
Report Date: 06/28/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/24/22 10:30

Customer: KIK By Kalibloom
Product identity: Papaya Rosin Batch 210038
Client/Metric ID: .
Laboratory ID: 22-007445-0001

Summary

Potency:

Analyte	Result (%)		
Δ8-THC	90.6		
Δ8-THCV	0.215		
CBT [†]	0.129		
CBN	0.0950		
		<ul style="list-style-type: none"> ● 8-THC ● 8-THCV ● CBT ● CBN 	
			CBD-Total <LOQ THC-Total <LOQ (Reported in percent of total sample)

Residual Solvents:

All analytes passing and less than LOQ.

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 [†]	0.208	43.15%	β-Caryophyllene [†]	0.0779	16.16%
β-Myrcene [†]	0.0588	12.20%	p-Cymene [†]	0.0515	10.68%
Linalool [†]	0.0344	7.14%	(-)-a-Terpineol [†]	0.0273	5.66%
(-)-β-Pinene [†]	0.0237	4.92%	Total Terpenes[†]	0.482	100.00%

Metals:

Analyte	Result	Units	Limit	Status
Lead	0.308	mg/kg	0.500	pass



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Received: 06/24/22 10:30

Customer: KIK By Kalibloom
 United States of America (USA)
Product identity: Papaya Rosin Batch 210038
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-007445-0001
Evidence of Cooling: No
Temp: 22 °C
Relinquished by: UPS

Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)		Units %	Batch: 2205488	Analyze: 6/28/22 10:30:00 AM
Analyte	As Received	Dry weight	LOQ	Notes	
CBC	< LOQ		0.0704		<ul style="list-style-type: none"> ● 8-THC ● 8-THCV ● CBT ● CBN
CBC-A†	< LOQ		0.0704		
CBC-Total†	< LOQ		0.132		
CBD	< LOQ		0.0704		
CBD-A	< LOQ		0.0704		
CBD-Total	< LOQ		0.132		
CBDV†	< LOQ		0.0704		
CBDV-A†	< LOQ		0.0704		
CBDV-Total†	< LOQ		0.131		
CBE†	< LOQ		0.0704		
CBG†	< LOQ		0.0704		
CBG-A†	< LOQ		0.0704		
CBG-Total	< LOQ		0.131		
CBL†	< LOQ		0.0704		
CBL-A†	< LOQ		0.0704		
CBL-Total†	< LOQ		0.132		
CBN	0.0950		0.0704		
CBT†	0.129		0.0704		
Δ8-THC	90.6		0.704		
Δ8-THCV	0.215		0.0704		
Δ9-THC	< LOQ		0.0704		
exo-THC	< LOQ		0.0704		
THC-A	< LOQ		0.0704		
THC-Total	< LOQ		0.132		
THCV†	< LOQ		0.0704		
THCV-A†	< LOQ		0.0704		
THCV-Total†	< LOQ		0.131		
Total Cannabinoids†	91.0				



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Solvents											Method: Residual Solvents by GC/MS					Units µg/g		Batch 2205489		Analyze 06/28/22 10:48 AM				
Analyte	Result	Limits	LOQ	Status	Notes	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-Butanol	< LOQ	5000	200	pass								
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200			2-Methylbutane	< LOQ		200									
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass		2-Propanol (IPA)	< LOQ	5000	200	pass								
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200			2,2-Dimethylpropane	< LOQ		200									
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0									
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass		Acetonitrile	< LOQ	410	100	pass								
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass		Butanes (sum)	< LOQ	5000	400	pass								
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass		Ethyl acetate	< LOQ	5000	200	pass								
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass		Ethyl ether	< LOQ	5000	200	pass								
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass		Ethylene oxide	< LOQ	50.0	20.0	pass								
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass		Isopropyl acetate	< LOQ	5000	200	pass								
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200			m,p-Xylene	< LOQ		200									
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass		Methylene chloride	< LOQ	600	60.0	pass								
Methylpropane	< LOQ		200			n-Butane	< LOQ		200			n-Butane	< LOQ		200									
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0			n-Hexane	< LOQ		30.0									
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200			o-Xylene	< LOQ		200									
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass		Propane	< LOQ	5000	200	pass								
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass		Toluene	< LOQ	890	100	pass								
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ	2170	600	pass		Total Xylenes and Ethyl	< LOQ	2170	600	pass								



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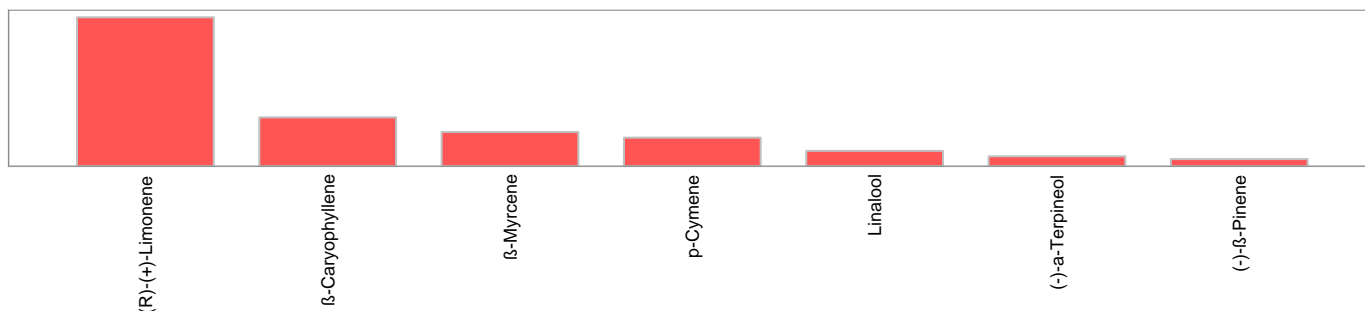


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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod)					Units mg/kg		Batch 2205493		Analyze 06/28/22 12:16 PM		
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoazole	< 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		Paclotrazole	< 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							



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2205491	Analyze 06/27/22 07:27 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene [†]	0.208	0.018	43.154%		β-Caryophyllene [†]	0.0779	0.018	16.1618%	
β-Myrcene [†]	0.0588	0.018	12.1992%		p-Cymene [†]	0.0515	0.018	10.6846%	
Linalool [†]	0.0344	0.018	7.1369%		(-)-a-Terpineol [†]	0.0273	0.018	5.6639%	
(-)-β-Pinene [†]	0.0237	0.018	4.9170%		(+)-fenchol [†]	< LOQ	0.018	0.00%	
α-Bisabolol [†]	< LOQ	0.018	0.00%		α-pinene [†]	< LOQ	0.018	0.00%	
Humulene [†]	< LOQ	0.018	0.00%		(±)-trans-Nerolidol [†]	< LOQ	0.018	0.00%	
Geraniol [†]	< LOQ	0.018	0.00%		Terpinolene [†]	< LOQ	0.018	0.00%	
farnesene [†]	< LOQ	0.018	0.00%		Camphene [†]	< LOQ	0.018	0.00%	
(+)-Pulegone [†]	< LOQ	0.018	0.00%		(-)-Guaiol [†]	< LOQ	0.018	0.00%	
(-)-caryophyllene oxide [†]	< LOQ	0.018	0.00%		(-)-Isopulegol [†]	< LOQ	0.018	0.00%	
(+)-Borneol [†]	< LOQ	0.018	0.00%		(+)-Cedrol [†]	< LOQ	0.018	0.00%	
(±)-Camphor [†]	< LOQ	0.018	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.018	0.00%	
(±)-fenchone [†]	< LOQ	0.018	0.00%		α-cedrene [†]	< LOQ	0.018	0.00%	
α-phellandrene [†]	< LOQ	0.018	0.00%		α-Terpinene [†]	< LOQ	0.018	0.00%	
cis-β-Ocimene [†]	< LOQ	0.006	0.00%		d-3-Carene [†]	< LOQ	0.018	0.00%	
Eucalyptol [†]	< LOQ	0.018	0.00%		γ-Terpinene [†]	< LOQ	0.018	0.00%	
Geranyl acetate [†]	< LOQ	0.018	0.00%		Isoborneol [†]	< LOQ	0.018	0.00%	
Menthol [†]	< LOQ	0.018	0.00%		nerol [†]	< LOQ	0.018	0.00%	
Sabinene [†]	< LOQ	0.018	0.00%		Sabinene hydrate [†]	< LOQ	0.018	0.00%	
trans-β-Ocimene [†]	< LOQ	0.012	0.00%		valencene [†]	< LOQ	0.018	0.00%	
Total Terpenes	0.482								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0784	2205485	06/27/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0784	2205485	06/27/22	AOAC 2013.06 (mod.)	pass	X
Lead	0.308	0.500	mg/kg	0.0784	2205485	06/27/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0392	2205485	06/27/22	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#: CFO23 Rev 02/26/2020 Eff: 02/27/2020
 ORELAP ID: OR100028

Company: <u>Kik by Kalibloom</u> Contact: <u>Taylor</u> Street: <u>3315 E Russel Rd STE 200</u> City: <u>Las Vegas</u> State: <u>NV</u> Zip: <u>89120</u> <input type="checkbox"/> Email Results: <u>Taylor@Kalibloom.com</u> Ph: () () () () () () <input type="checkbox"/> Fx Results: () () () () () () Billing (if different): _____				Analysis Requested <table border="1"> <tr> <td>Patency</td> <td>Metals</td> <td>Solvents</td> <td>Pesticides</td> <td>Terpene</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>				Patency	Metals	Solvents	Pesticides	Terpene						X	X	X	X	X						PO Number: <u>Delta 8</u> 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 * *Ask for availability Sampled by: _____			
Patency	Metals	Solvents	Pesticides	Terpene																											
X	X	X	X	X																											
Lab ID	Client Sample Identification	Date	Time	Patency	Metals	Solvents	Pesticides	Terpene	Sample Type *	Weight (Units)	Comments/Metric ID																				
1	Papaya Rosin			X	X	X	X	X			Batch Number <u>210038</u> ↓																				
2	Blue Dream			X	X	X	X	X																							
3	Fire Og			X	X	X	X	X																							
4	GSC			X	X	X	X	X																							
5	Grape Ape			X	X	X	X	X																							
6	Mimosa			X	X	X	X	X																							
Relinquished By:		Date	Time	Received By:		Date	Time	Lab Use Only: <input checked="" type="checkbox"/> Shipped Via: <u>UPS</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>20cc</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: <u>Emma Shulman</u>																							

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

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

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Document ID: 3177 Revision: 3
Effective: 04/26/2022
Page 1 of 1

PACKAGE RECEIVING FORM

Delivery Date: 6.24.22 Same as Opened By Date Unsure

How was the package delivered?

UPS FEDEX USPS DHL OTHER: _____

Tracking Number: 1Z 256 446 01 9654 4866

		CIRCLE ONE	
1) Was package sealed with no evidence of holes/tampering?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
Further custody seal/tampering notes: _____			
2) Was packing material used?		<input type="radio"/> YES	<input checked="" type="radio"/> NO
If YES: <input type="checkbox"/> PEANUTS <input type="checkbox"/> BUBBLE <input type="checkbox"/> WRAP <input type="checkbox"/> FOAM PAPER			
3) Was a Complete Chain of Custody (COC) received?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
Comment (PT?, Email?): _____			
4) Sample temperature upon arrival?		<u>22.0</u> °C	
5) Evidence of cooling?		<input type="radio"/> YES	<input checked="" type="radio"/> NO
If YES, What kind? <input type="checkbox"/> ICE <input type="checkbox"/> FREEZER PACK <input type="checkbox"/> DRY ICE			
Insulation? <input type="checkbox"/> PLASTIC COOLER <input type="checkbox"/> STYROFOAM <input type="checkbox"/> OTHER: _____			
6) Were sample containers sealed in separate plastic bags/secondary containment?		<input type="radio"/> YES	<input checked="" type="radio"/> NO
7) Did sample containers arrive in good condition?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
If NO: <input type="checkbox"/> LEAKED <input type="checkbox"/> BROKEN <input type="checkbox"/> OTHER: _____			
If NO: Suspect contamination of other samples? <input type="checkbox"/> YES <input type="checkbox"/> NO			
8) Sample labels present?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
9) Do sample labels agree with COC?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
If NO, number of sample containers received: _____			

Sample pre-log location:

R39 R44 F44 R99 CANNA SHELF FOOD SHELF Other: _____

Other Notes:

Received By (initials): St **Date:** 6.24.22 **Time:** 10:23 AM



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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2205488

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	1	0.104	0.100	%	104	80.0	- 120	Acceptable	
CBDV	1	0.113	0.100	%	113	80.0	- 120	Acceptable	
CBE	1	0.100	0.100	%	100	80.0	- 120	Acceptable	
CBDA	1	0.100	0.100	%	100	90.0	- 110	Acceptable	
CBGA	1	0.0979	0.100	%	97.9	80.0	- 120	Acceptable	
CBG	1	0.0987	0.100	%	98.7	80.0	- 120	Acceptable	
CBD	1	0.106	0.100	%	106	90.0	- 110	Acceptable	
THCV	1	0.103	0.100	%	103	80.0	- 120	Acceptable	
d8THCV	1	0.106	0.100	%	106	80.0	- 120	Acceptable	
THCVA	1	0.103	0.100	%	103	80.0	- 120	Acceptable	
CBN	1	0.101	0.100	%	101	90.0	- 110	Acceptable	
exo-THC	1	0.0985	0.100	%	98.5	80.0	- 120	Acceptable	
d9THC	1	0.0996	0.100	%	99.6	90.0	- 110	Acceptable	
d8THC	1	0.0988	0.100	%	98.8	80.0	- 120	Acceptable	
CBL	1	0.0996	0.100	%	99.6	80.0	- 120	Acceptable	
CBC	1	0.106	0.100	%	106	80.0	- 120	Acceptable	
THCA	1	0.0960	0.100	%	96.0	90.0	- 110	Acceptable	
CBCA	1	0.104	0.100	%	104	80.0	- 120	Acceptable	
CBLA	1	0.0938	0.100	%	93.8	80.0	- 120	Acceptable	
CBT	1	0.105	0.100	%	105	80.0	- 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBDV	<LOQ	0.077	%	< 0.077	Acceptable	
CBE	<LOQ	0.077	%	< 0.077	Acceptable	
CBDA	<LOQ	0.077	%	< 0.077	Acceptable	
CBGA	<LOQ	0.077	%	< 0.077	Acceptable	
CBG	<LOQ	0.077	%	< 0.077	Acceptable	
CBD	<LOQ	0.077	%	< 0.077	Acceptable	
THCV	<LOQ	0.077	%	< 0.077	Acceptable	
d8THCV	<LOQ	0.077	%	< 0.077	Acceptable	
THCVA	<LOQ	0.077	%	< 0.077	Acceptable	
CBN	<LOQ	0.077	%	< 0.077	Acceptable	
exo-THC	<LOQ	0.077	%	< 0.077	Acceptable	
d9THC	<LOQ	0.077	%	< 0.077	Acceptable	
d8THC	<LOQ	0.077	%	< 0.077	Acceptable	
CBL	<LOQ	0.077	%	< 0.077	Acceptable	
CBC	<LOQ	0.077	%	< 0.077	Acceptable	
THCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBLA	<LOQ	0.077	%	< 0.077	Acceptable	
CBT	<LOQ	0.077	%	< 0.077	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: 22-007445/D006.R000
Report Date: 06/28/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/24/22 10:30

Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2205488						
Sample Duplicate		Sample ID: 22-007444-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	0.207	0.204	0.077	%	1.71	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	0.0969	0.100	0.077	%	3.36	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	89.0	88.9	0.077	%	0.145	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBT	0.113	0.0985	0.077	%	13.6	< 20	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

Residual Solvents				Batch ID: 2205489					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		488	572	µg/g	85.3	60 - 120	
Isobutane	ND	< 200		607	731	µg/g	83.0	60 - 120	
Butane	ND	< 200		591	731	µg/g	80.8	60 - 120	
2,2-Dimethylpropane	ND	< 200		895	936	µg/g	95.6	60 - 120	
Methanol	ND	< 200		1510	1650	µg/g	91.5	60 - 120	
Ethylene Oxide	ND	< 30		48.8	56.2	µg/g	86.8	60 - 120	
2-Methylbutane	ND	< 200		1380	1620	µg/g	85.2	60 - 120	
Pentane	ND	< 200		1390	1610	µg/g	86.3	60 - 120	
Ethanol	ND	< 200		1430	1620	µg/g	88.3	70 - 130	
Ethyl Ether	ND	< 200		1330	1600	µg/g	83.1	60 - 120	
2,2-Dimethylbutane	ND	< 30		143	167	µg/g	85.6	60 - 120	
Acetone	ND	< 200		1420	1620	µg/g	87.7	60 - 120	
2-Propanol	ND	< 200		1420	1610	µg/g	88.2	60 - 120	
Ethyl Formate	ND	< 500		1230	1620	µg/g	75.9	70 - 130	
Acetonitrile	ND	< 100		565	635	µg/g	89.0	60 - 120	
Methyl Acetate	ND	< 500		1450	1630	µg/g	89.0	70 - 130	
2,3-Dimethylbutane	ND	< 30		138	177	µg/g	78.0	60 - 120	
Dichloromethane	ND	< 60		406	498	µg/g	81.5	60 - 120	
2-Methylpentane	ND	< 30		143	166	µg/g	86.1	60 - 120	
MTBE	ND	< 500		1350	1600	µg/g	84.4	70 - 130	
3-Methylpentane	ND	< 30		151	175	µg/g	86.3	60 - 120	
Hexane	ND	< 30		152	174	µg/g	87.4	60 - 120	
1-Propanol	ND	< 500		1470	1620	µg/g	90.7	70 - 130	
Methylethylketone	ND	< 500		1400	1600	µg/g	87.5	70 - 130	
Ethyl acetate	ND	< 200		1420	1610	µg/g	88.2	60 - 120	
2-Butanol	ND	< 200		1420	1620	µg/g	87.7	60 - 120	
Tetrahydrofuran	ND	< 100		413	507	µg/g	81.5	60 - 120	
Cyclohexane	ND	< 200		1290	1610	µg/g	80.1	60 - 120	
2-methyl-1-propanol	ND	< 500		1380	1640	µg/g	84.1	70 - 130	
Benzene	ND	< 1		4.18	5.22	µg/g	80.1	60 - 120	
Isopropyl Acetate	ND	< 200		1470	1610	µg/g	91.3	60 - 120	
Heptane	ND	< 200		1450	1610	µg/g	90.1	60 - 120	
1-Butanol	ND	< 500		1440	1610	µg/g	89.4	70 - 130	
Propyl Acetate	ND	< 500		1480	1610	µg/g	91.9	70 - 130	
1,4-Dioxane	ND	< 100		422	508	µg/g	83.1	60 - 120	
2-Ethoxyethanol	ND	< 30		158	165	µg/g	95.8	60 - 120	
Methylisobutylketone	ND	< 500		1520	1610	µg/g	94.4	70 - 130	
3-Methyl-1-butanol	ND	< 500		1400	1600	µg/g	87.5	70 - 130	
Ethylene Glycol	ND	< 200		428	492	µg/g	87.0	60 - 120	
Toluene	ND	< 100		406	497	µg/g	81.7	60 - 120	
Isobutyl Acetate	ND	< 500		1490	1610	µg/g	92.5	70 - 130	
1-Pentanol	ND	< 500		1460	1600	µg/g	91.3	70 - 130	
Butyl Acetate	ND	< 500		1540	1610	µg/g	95.7	70 - 130	
Ethylbenzene	ND	< 200		815	980	µg/g	83.2	60 - 120	
m,p-Xylene	ND	< 200		801	985	µg/g	81.3	60 - 120	
o-Xylene	ND	< 200		799	965	µg/g	82.8	60 - 120	
Cumene	ND	< 30		133	168	µg/g	79.2	60 - 120	
Anisole	ND	< 500		1320	1600	µg/g	82.5	70 - 130	
DMSO	ND	< 500		1270	1610	µg/g	78.9	70 - 130	
1,2-dimethoxyethane	ND	< 50		151	165	µg/g	91.5	70 - 130	
Triethylamine	ND	< 500		1280	1620	µg/g	79.0	70 - 130	
N,N-dimethylformamide	ND	< 150		319	481	µg/g	66.3	70 - 130	Q6
N,N-dimethylacetamide	ND	< 150		422	480	µg/g	87.9	70 - 130	
Pyridine	ND	< 50		143	171	µg/g	83.6	70 - 130	
1,2-Dichloroethane	ND	< 1		0.924	1	µg/g	92.4	70 - 130	
Chloroform	ND	< 1		0.937	1	µg/g	93.7	70 - 130	
Trichloroethylene	ND	< 1		0.92	1	µg/g	92.0	70 - 130	



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Revision: Document ID:
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QC - Sample Duplicate			Sample ID: 22-007405-0001					
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	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	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	
MTBE	ND	ND	500	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	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methyl ethyl ketone	ND	ND	500	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	
2-methyl-1-propanol	ND	ND	500	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-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	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	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	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	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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



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

Terpenes Quality Control Results

Method Reference: EPA 5035				Batch ID: 2205491					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		471	500	µg/g	94%	70 - 130	
Camphene	<LOQ	< 200		508	500	µg/g	102%	70 - 130	
Sabinene	<LOQ	< 200		485	500	µg/g	97%	70 - 130	
b-Pinene	<LOQ	< 200		519	500	µg/g	104%	70 - 130	
b-Myrcene	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
a-phellandrene	<LOQ	< 200		596	500	µg/g	119%	70 - 130	
d-3-Carene	<LOQ	< 200		499	500	µg/g	100%	70 - 130	
a-Terpinene	<LOQ	< 200		434	500	µg/g	87%	70 - 130	
p-Cymene	<LOQ	< 200		484	500	µg/g	97%	70 - 130	
D-Limonene	<LOQ	< 200		452	500	µg/g	90%	70 - 130	
Eucalyptol	<LOQ	< 200		527	500	µg/g	105%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		119	167	µg/g	71%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		306	333	µg/g	92%	70 - 130	
g-Terpinene	<LOQ	< 200		443	500	µg/g	89%	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		500	500	µg/g	100%	70 - 130	
Terpinolene	<LOQ	< 200		445	500	µg/g	89%	70 - 130	
D-Fenchone	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
Linalool	<LOQ	< 200		555	500	µg/g	111%	70 - 130	
Fenchol	<LOQ	< 200		540	500	µg/g	108%	70 - 130	
Camphor	<LOQ	< 200		495	500	µg/g	99%	70 - 130	
Isopulego	<LOQ	< 200		473	500	µg/g	95%	70 - 130	
Isoborneol	<LOQ	< 200		517	500	µg/g	103%	70 - 130	
Borneol	<LOQ	< 200		533	500	µg/g	107%	70 - 130	
DL-Menthol	<LOQ	< 200		516	500	µg/g	103%	70 - 130	
Terpineol	<LOQ	< 200		532	500	µg/g	106%	70 - 130	
Nerol	<LOQ	< 200		554	500	µg/g	111%	70 - 130	
Pulegone	<LOQ	< 200		518	500	µg/g	104%	70 - 130	
Geraniol	<LOQ	< 200		590	500	µg/g	118%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		511	500	µg/g	102%	70 - 130	
a-Cedrene	<LOQ	< 200		528	500	µg/g	106%	70 - 130	
b-Caryophyllene	<LOQ	< 200		512	500	µg/g	102%	70 - 130	
a-Humulene	<LOQ	< 200		511	500	µg/g	102%	70 - 130	
Valenene	<LOQ	< 200		521	500	µg/g	104%	70 - 130	
cis-Nerolidol	<LOQ	< 200		506	500	µg/g	101%	70 - 130	
a-Farnesene	<LOQ	< 200		517	500	µg/g	103%	70 - 130	
trans-Nerolidol	<LOQ	< 200		488	500	µg/g	98%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		532	500	µg/g	106%	70 - 130	
Guaiol	<LOQ	< 200		538	500	µg/g	108%	70 - 130	
Cedrol	<LOQ	< 200		518	500	µg/g	104%	70 - 130	
a-Bisabolol	<LOQ	< 200		542	500	µg/g	108%	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: 2205491					
Sample/Sample Duplicate		Sample ID: 22-007445-0001					
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	238	237	186	µg/g	0%	< 20	
b-Myrcene	589	588	186	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	186	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	186	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	186	µg/g	0%	< 20	
p-Cymene	542	515	186	µg/g	5%	< 20	
D-Limonene	2100	2080	186	µg/g	1%	< 20	
Eucalyptol	<LOQ	<LOQ	186	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	61.8	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	374	344	186	µg/g	8%	< 20	
Fenchol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	186	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	186	µg/g	0%	< 20	
Isoborneol	<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	290	273	186	µg/g	6%	< 20	
Nerol	<LOQ	<LOQ	186	µg/g	0%	< 20	
Pulegone	<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	779	779	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-Bisabolol	<LOQ	<LOQ	186	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference



12423 NE Whitaker Way
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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2205493				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		1.013	1.000	101.3	50.0	150
Acephate	0.000	< 0.250		0.929	1.000	92.9	60.0	120
Acetaminocyl	0.000	< 1.000		3.715	4.000	92.9	40.0	160
Acetamiprid	0.000	< 0.100		0.393	0.400	98.2	60.0	120
Aldicarb	0.000	< 0.200		0.818	0.800	102.3	60.0	120
Azoxystrobin	0.000	< 0.100		0.373	0.400	93.3	60.0	120
Bifenazate	0.000	< 0.100		0.386	0.400	96.4	60.0	120
Bifenthrin	0.000	< 0.100		0.375	0.400	93.8	50.0	150
Boscalid	0.000	< 0.200		0.736	0.800	92.0	60.0	120
Carbaryl	0.000	< 0.100		0.396	0.400	98.9	60.0	120
Carbofuran	0.000	< 0.100		0.391	0.400	97.6	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.392	0.400	98.1	60.0	120
Chlorfenapyr	0.000	< 0.500		1.831	2.000	91.5	60.0	120
Chlorpyrifos	0.000	< 0.100		0.359	0.400	89.8	60.0	120
Clofentazine	0.000	< 0.100		0.366	0.400	91.5	60.0	120
Cyfluthrin	0.000	< 0.500		1.940	2.000	97.0	50.0	150
Cypermethrin	0.000	< 0.500		1.852	2.000	92.6	50.0	150
Daminozide	0.000	< 0.500		2.245	2.000	112.2	60.0	120
Diazinon	0.000	< 0.100		0.392	0.400	98.0	60.0	120
Dichlorvos	0.000	< 0.500		1.913	2.000	95.6	60.0	120
Dimethoate	0.000	< 0.100		0.418	0.400	104.5	60.0	120
Ethoprophos	0.000	< 0.100		0.393	0.400	98.3	60.0	120
Etofenprox	0.000	< 0.200		0.718	0.800	89.8	50.0	150
Etoxazole	0.000	< 0.100		0.342	0.400	85.6	60.0	120
Fenoxycarb	0.000	< 0.100		0.367	0.400	91.8	60.0	120
Fenpyroximate	0.000	< 0.200		0.742	0.800	92.7	60.0	120
Fipronil	0.000	< 0.200		0.782	0.800	97.7	60.0	120
Fonicamid	0.000	< 0.250		1.180	1.000	118.0	60.0	120
Fludioxonil	0.000	< 0.200		0.803	0.800	100.3	50.0	150
Hexythiazox	0.000	< 0.250		0.831	1.000	83.1	60.0	120
Imazalil	0.000	< 0.100		0.356	0.400	89.1	60.0	120
Imidacloprid	0.000	< 0.200		0.846	0.800	105.8	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.722	0.800	90.3	60.0	120
Malathion	0.000	< 0.100		0.355	0.400	88.7	60.0	120
Metlaxyl	0.000	< 0.100		0.373	0.400	93.3	60.0	120
Methiocarb	0.000	< 0.100		0.388	0.400	97.0	60.0	120
Methomyl	0.000	< 0.200		0.856	0.800	107.0	60.0	120
MGK-264	0.000	< 0.100		0.400	0.400	99.9	50.0	150
Myclobutanil	0.000	< 0.100		0.366	0.400	91.4	60.0	120
Naled	0.000	< 0.250		0.989	1.000	98.9	50.0	150
Oxamyl	0.000	< 0.500		2.258	2.000	112.9	60.0	120
Pacllobutrazole	0.000	< 0.200		0.775	0.800	96.9	60.0	120
Parathion-Methyl	0.000	< 0.200		1.007	0.800	125.9	50.0	150
Permethrin	0.000	< 0.100		0.347	0.400	86.8	50.0	150
Phosmet	0.000	< 0.100		0.379	0.400	94.7	50.0	150
Piperonyl butoxide	0.000	< 0.500		1.883	2.000	94.1	60.0	120
Prallethrin	0.000	< 0.100		0.368	0.400	92.0	60.0	120
Propiconazole	0.000	< 0.200		0.732	0.800	91.5	60.0	120
Propoxur	0.000	< 0.100		0.398	0.400	99.6	60.0	120
Pyrethrin (Summe)	0.003	< 0.100		0.379	0.413	91.7	60.0	120
Pyridaben	0.000	< 0.100		0.332	0.400	83.0	50.0	150
Spirosad	0.000	< 0.100		0.415	0.388	107.0	50.0	150
Spiromesifen	0.000	< 0.100		0.343	0.400	85.6	60.0	120
Spirotetramat	0.000	< 0.100		0.366	0.400	91.6	60.0	120
Spiroxamine	0.000	< 0.200		0.752	0.800	94.0	60.0	120
Tebuconazole	0.000	< 0.200		0.742	0.800	92.8	60.0	120
Thiacloprid	0.000	< 0.100		0.397	0.400	99.2	60.0	120
Thiamethoxam	0.000	< 0.100		0.454	0.400	113.6	60.0	120
Trifloxystrobin	0.000	< 0.100		0.379	0.400	94.8	60.0	120



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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										Batch ID: 2205493
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 22-007444-0001					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.920	0.794	1.000	14.7%	< 30	92.0%	79.4%	50 - 150	
Acephate	0.000	0.839	0.840	1.000	0.1%	< 30	83.9%	84.0%	50 - 150	
Acetamiprid	0.000	0.354	0.362	0.400	2.4%	< 30	88.4%	90.6%	50 - 150	
Aldicarb	0.000	0.807	0.822	0.800	1.8%	< 30	100.8%	102.7%	50 - 150	
Azoxystrobin	0.000	0.347	0.365	0.400	5.1%	< 30	86.7%	91.2%	50 - 150	
Bifenazate	0.000	0.382	0.387	0.400	1.1%	< 30	95.6%	96.7%	50 - 150	
Bifenthrin	0.000	0.270	0.465	0.400	53.1%	< 30	67.5%	116.3%	50 - 150	R
Boscalid	0.000	0.691	0.696	0.800	0.8%	< 30	86.3%	87.0%	50 - 150	
Carbaryl	0.000	0.364	0.374	0.400	2.6%	< 30	91.0%	93.4%	50 - 150	
Carbofuran	0.000	0.371	0.381	0.400	2.8%	< 30	92.7%	95.3%	50 - 150	
Chlorantraniliprole	0.000	0.360	0.374	0.400	3.9%	< 30	89.9%	93.5%	50 - 150	
Chlorfenapyr	0.000	0.282	0.362	2.000	24.8%	< 30	14.1%	18.1%	50 - 150	Q
Chlorpyrifos	0.000	0.432	0.410	0.400	5.3%	< 30	108.0%	102.4%	50 - 150	
Clofentezine	0.000	0.367	0.361	0.400	1.7%	< 30	91.7%	90.2%	50 - 150	
Cyfluthrin	0.000	2.074	2.285	2.000	9.7%	< 30	103.7%	114.3%	30 - 150	
Cypermethrin	0.000	1.847	2.002	2.000	8.1%	< 30	92.3%	100.1%	50 - 150	
Daminozide	0.000	2.091	2.154	2.000	3.0%	< 30	104.5%	107.7%	30 - 150	
Diazinon	0.000	0.352	0.357	0.400	1.4%	< 30	88.1%	89.3%	50 - 150	
Dichlorvos	0.000	1.804	1.883	2.000	4.3%	< 30	90.2%	94.2%	50 - 150	
Dimethoate	0.000	0.391	0.407	0.400	4.0%	< 30	97.8%	101.8%	50 - 150	
Ethoprophos	0.000	0.342	0.352	0.400	2.7%	< 30	85.6%	87.9%	50 - 150	
Etofenprox	0.000	0.669	0.897	0.800	29.1%	< 30	83.6%	112.1%	50 - 150	
Etoxazole	0.000	0.335	0.343	0.400	2.2%	< 30	83.8%	85.6%	50 - 150	
Fenoxycarb	0.000	0.338	0.330	0.400	2.4%	< 30	84.5%	82.5%	50 - 150	
Fenpyroximate	0.000	0.715	0.754	0.800	5.3%	< 30	89.4%	94.3%	50 - 150	
Fipronil	0.000	0.823	0.863	0.800	4.7%	< 30	102.9%	107.8%	50 - 150	
Fonicamid	0.000	0.975	1.043	1.000	6.8%	< 30	97.5%	104.3%	50 - 150	
Fludioxonil	0.000	0.748	0.786	0.800	5.0%	< 30	93.5%	98.3%	50 - 150	
Hexythiazox	0.000	0.456	0.464	1.000	1.6%	< 30	45.6%	46.4%	50 - 150	Q
Imazalil	0.000	0.312	0.318	0.400	1.7%	< 30	78.1%	79.5%	50 - 150	
Imidacloprid	0.000	0.791	0.811	0.800	2.4%	< 30	98.9%	101.3%	50 - 150	
Kresoxim-methyl	0.000	0.664	0.656	0.800	1.3%	< 30	83.0%	81.9%	50 - 150	
Malathion	0.000	0.324	0.328	0.400	1.3%	< 30	81.0%	82.1%	50 - 150	
Metaxalyl	0.000	0.351	0.362	0.400	3.1%	< 30	87.8%	90.6%	50 - 150	
Methiocarb	0.000	0.361	0.370	0.400	2.4%	< 30	90.3%	92.5%	50 - 150	
Methomyl	0.000	0.653	0.861	0.800	27.5%	< 30	81.6%	107.6%	50 - 150	
MGK-264	0.000	0.357	0.358	0.400	0.2%	< 30	89.2%	89.4%	50 - 150	
Myclobutanil	0.000	0.349	0.325	0.400	7.0%	< 30	87.2%	81.3%	50 - 150	
Naled	0.000	0.897	0.939	1.000	4.6%	< 30	89.7%	93.9%	50 - 150	
Oxamyl	0.000	1.623	2.002	2.000	20.9%	< 30	81.2%	100.1%	50 - 150	
Paclobutrazole	0.000	0.677	0.705	0.800	4.0%	< 30	84.7%	88.2%	50 - 150	
Parathion-Methyl	0.000	0.734	0.695	0.800	5.5%	< 30	91.8%	86.8%	30 - 150	
Permethrin	0.000	0.436	0.501	0.400	13.9%	< 30	108.9%	125.2%	50 - 150	
Phosmet	0.000	0.343	0.354	0.400	3.0%	< 30	85.8%	88.4%	50 - 150	
Piperonyl butoxide	0.000	1.579	1.598	2.000	1.2%	< 30	78.9%	79.9%	50 - 150	
Prallethrin	0.000	0.359	0.363	0.400	1.0%	< 30	89.8%	90.8%	50 - 150	
Propiconazole	0.000	0.616	0.617	0.800	0.2%	< 30	77.0%	77.1%	50 - 150	
Propoxur	0.000	0.364	0.383	0.400	5.1%	< 30	91.0%	95.7%	50 - 150	
Pyrethrin (Summe)	0.003	0.396	0.391	0.413	1.2%	< 30	95.2%	94.1%	50 - 150	
Pyridaben	0.000	0.450	0.476	0.400	5.6%	< 30	112.4%	118.9%	50 - 150	
Spirosad	0.000	0.320	0.362	0.388	12.4%	< 30	82.5%	93.4%	50 - 150	
Spiromesifen	0.000	0.453	0.442	0.400	2.6%	< 30	113.3%	110.5%	50 - 150	
Spirotetramat	0.000	0.336	0.343	0.400	2.1%	< 30	84.0%	85.8%	50 - 150	
Spiroxamine	0.000	0.709	0.708	0.800	0.1%	< 30	88.6%	88.5%	50 - 150	
Tebuconazole	0.000	0.657	0.703	0.800	6.8%	< 30	82.2%	87.9%	50 - 150	
Thiacloprid	0.000	0.376	0.394	0.400	4.7%	< 30	93.9%	98.5%	50 - 150	
Thiamethoxam	0.000	0.375	0.399	0.400	6.1%	< 30	93.8%	99.7%	50 - 150	
Trifloxystrobin	0.000	0.334	0.341	0.400	2.2%	< 30	83.4%	85.3%	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.