Columbia LABORATORIES
A Tentamus Company

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

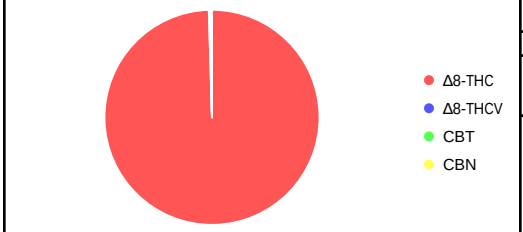
Report Number: 22-007445/D004.R000
Report Date: 06/28/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/24/22 10:30

Customer: KIK By Kalibloom
Product identity: Grape Ape Batch 210038
Client/Metrc ID: .
Laboratory ID: 22-007445-0005

Summary

Potency:

Analyte	Result (%)
Δ8-THC	89.7
Δ8-THCV	0.213
CBT†	0.107
CBN	0.0986



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†	0.207	42.42%	ß-Caryophyllene†	0.0789	16.17%
ß-Myrcene†	0.0593	12.15%	p-Cymene†	0.0523	10.72%
Linalool†	0.0357	7.32%	(-)-a-Terpineol†	0.0307	6.29%
(-)-ß-Pinene†	0.0237	4.86%	**Total Terpenes†**	**0.488**	**100.00%**

Metals:

Analyte	Result	Units	Limit	Status
Lead	0.319	mg/kg	0.500	pass

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Purchase Order:
Received: 06/24/22 10:30

Customer: KIK By Kalibloom
United States of America (USA)
Product identity: Grape Ape Batch 210038
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-007445-0005
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		0.0729	
CBC-A†	< LOQ		0.0729	
CBC-Total†	< LOQ		0.137	
CBD	< LOQ		0.0729	
CBD-A	< LOQ		0.0729	
CBD-Total	< LOQ		0.137	
CBDV†	< LOQ		0.0729	
CBDV-A†	< LOQ		0.0729	
CBDV-Total†	< LOQ		0.136	
CBE†	< LOQ		0.0729	
CBG†	< LOQ		0.0729	
CBG-A†	< LOQ		0.0729	
CBG-Total	< LOQ		0.136	
CBL†	< LOQ		0.0729	
CBL-A†	< LOQ		0.0729	
CBL-Total†	< LOQ		0.137	
CBN	0.0986		0.0729	
CBT†	0.107		0.0729	
Δ8-THC	89.7		0.729	
Δ8-THCV	0.213		0.0729	
Δ9-THC	< LOQ		0.0729	
exo-THC	< LOQ		0.0729	
THC-A	< LOQ		0.0729	
THC-Total	< LOQ		0.137	
THCV†	< LOQ		0.0729	
THCV-A†	< LOQ		0.0729	
THCV-Total†	< LOQ		0.136	
Total Cannabinoids†	90.1			

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Received: 06/24/22 10:30

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
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	< LOQ	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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Purchase Order:
Received: 06/24/22 10:30

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		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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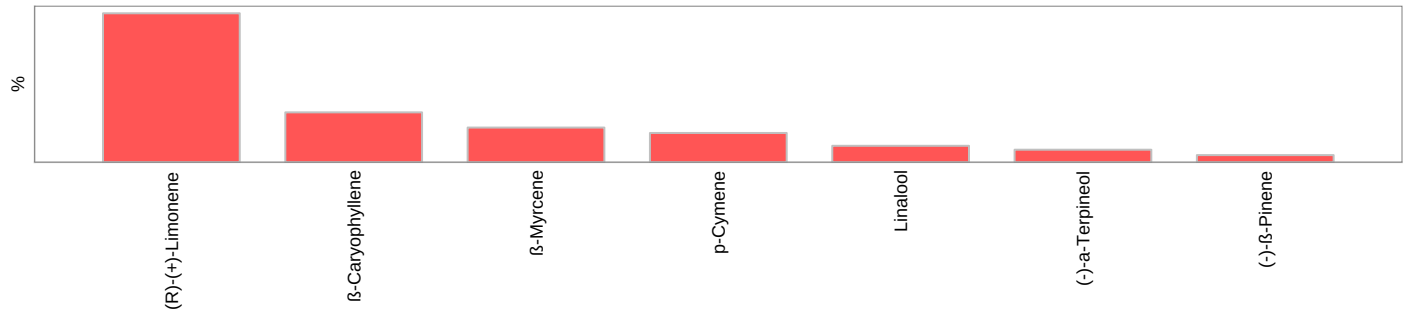
Terpenes

Method J AOAC 2015 V98-6 **Units** % **Batch** 2205491 **Analyze** 06/27/22 10:25 PM

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene†	0.207	0.019	42.418%		ß-Caryophyllene†	0.0789	0.019	16.1680%	
ß-Myrcene†	0.0593	0.019	12.1516%		p-Cymene†	0.0523	0.019	10.7172%	
Linalool†	0.0357	0.019	7.3156%		(-)-a-Terpineol†	0.0307	0.019	6.2910%	
(-)-ß-Pinene†	0.0237	0.019	4.8566%		(+)-fenchol†	< LOQ	0.019	0.00%	
a-Bisabolol†	< LOQ	0.019	0.00%		a-pinene†	< LOQ	0.019	0.00%	
Humulene†	< LOQ	0.019	0.00%		farnesene†	< LOQ	0.019	0.00%	
Geraniol†	< LOQ	0.019	0.00%		Camphene†	< LOQ	0.019	0.00%	
(-)-Guaiol†	< LOQ	0.019	0.00%		Sabinene hydrate†	< LOQ	0.019	0.00%	
(±)-trans-Nerolidol†	< LOQ	0.019	0.00%		(±)-fenchone†	< LOQ	0.019	0.00%	
(-)-caryophyllene oxide†	< LOQ	0.019	0.00%		(-)-Isopulegol†	< LOQ	0.019	0.00%	
(+)-Borneol†	< LOQ	0.019	0.00%		(+)-Cedrol†	< LOQ	0.019	0.00%	
(+)-Pulegone†	< LOQ	0.019	0.00%		(±)-Camphor†	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol†	< LOQ	0.019	0.00%		a-cedrene†	< LOQ	0.019	0.00%	
a-phellandrene†	< LOQ	0.019	0.00%		a-Terpinene†	< LOQ	0.019	0.00%	
cis-ß-Ocimene†	< LOQ	0.006	0.00%		d-3-Carene†	< LOQ	0.019	0.00%	
Eucalyptol†	< LOQ	0.019	0.00%		gamma-Terpinene†	< LOQ	0.019	0.00%	
Geranyl acetate†	< LOQ	0.019	0.00%		Isoborneol†	< LOQ	0.019	0.00%	
Menthol†	< LOQ	0.019	0.00%		nerol†	< LOQ	0.019	0.00%	
Sabinene†	< LOQ	0.019	0.00%		Terpinolene†	< LOQ	0.019	0.00%	
trans-ß-Ocimene†	< LOQ	0.013	0.00%		valencene†	< LOQ	0.019	0.00%	
Total Terpenes	**0.488**								



Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0935	2205485	06/27/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0935	2205485	06/27/22	AOAC 2013.06 (mod.)	pass	X
Lead	0.319	0.500	mg/kg	0.0935	2205485	06/27/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0468	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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D8

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

Company: KIK by Kalibloom
Contact: Taylor
Street: 3315 E Russel Rd STE A4L #246
City: Las Vegas State: NV Zip: 89120
☐ Email Results: Taylor@Kalibloom.com
Ph: (___) ☐ Fx Results: (___)
Billing (if different):

Analysis Requested: Potency, Metals, Solvents, Pesticides, Terpene

PO Number: Delta 8
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	Sample Type †	Weight (Units)	Comments/Metrc ID
1	Papaya Rosa					Batch Number 210038
2	Blue Dream					
3	Fire OG					
4	GSC					
5	Grape Ape					
6	Mimosa					

Relinquished By:	Date	Time	Received By:	Date	Time
			[illegible]	6.24.22	10:30AM

Lab Use Only:
☒ Shipped Via: UPS N/A or ☐ Client drop
Evidence of cooling: ☐ Yes | ☒ No - Temp (°C): 20 cc
Sample in good condition: ☒ Yes | ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net:
Prelog storage: Room Shelves

† - 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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Portland, OR 97230
P: (503) 254-1794 | Fax: (503) 254-1452
info@columbialaboratories.com

Page ____ of ____

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Columbia LABORATORIES
A Tentamus Company

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 256 646 01 9654 4866

	CIRCLE ONE	
1) Was package sealed with no evidence of holes/tampering?	(YES)	NO
Further custody seal/tampering notes:_____		
2) Was packing material used?	YES	(NO)
If YES: ☐ PEANUTS ☐ BUBBLE ☐ WRAP ☐ FOAM PAPER		
3) Was a Complete Chain of Custody (COC) received?	(YES)	NO
Comment (PT?, Email?):_____		
4) Sample temperature upon arrival?	22.0 °C	
5) Evidence of cooling?	YES	(NO)
If YES, What kind? ☐ ICE ☐ FREEZER PACK ☐ DRY ICE		
Insulation? ☐ PLASTIC COOLER ☐ STYROFOAM ☐ OTHER:		
6) Were sample containers sealed in separate plastic bags/secondary containment?	YES	(NO)
7) Did sample containers arrive in good condition?	(YES)	NO
If NO: ☐ LEAKED ☐ BROKEN ☐ OTHER:		
If NO: Suspect contamination of other samples? ☐ YES ☐NO		
8) Sample labels present?	(YES)	NO
9) Do sample labels agree with COC?	(YES)	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): [illegible] **Date:** 6.24.22 **Time:** 10:29 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

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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**

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	
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<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

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-007445/D004.R000
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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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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	
Methylethylketone	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

Columbia LABORATORIES
A Tentamus Company

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-phelllandrene	<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	
Gereniol	<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

Columbia LABORATORIES
A Tentamus Company

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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-phelllandrene	<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	
Gereniol	<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

Columbia LABORATORIES
A Tentamus Company

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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	
Acequinocyl	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	
Clofentezine	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	
Flonicamid	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	
Metalaxyl	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	
Paclobutrazole	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	
Spinosad	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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ORELAP#: OR100028
Purchase Order:
Received: 06/24/22 10:30

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	
Acequinocyl	0.000	3.338	6.518	4.000	64.5%	< 30	83.4%	163.0%	50 - 150	R, Q
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	
Flonicamid	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	
Metalaxyl	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	
Spinosad	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	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.