

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU GMY.SLP25

BATCH # 211311

PRODUCT NAME Mango Lemon Sleep CBD gummy **SERVING SIZE** 2 gummies (~ 10.0 g)

LABORATORY: Columbia Laboratories **OREGON ACCREDITATION:** OR100028

LOQ: Limit Of Quantitation
LOD: Limit Of Detection

1 g = 10⁻³ kg = 10³ mg = 10⁶ µg
1 mg/kg = 1 ppm = 1000 ppb

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	33.4 mg/serving	3.34 mg/g	0.334 %
Total THC (d9-THC, THCA)	1.07 mg/serving	0.107 mg/g	0.0107 %
Cannabigerol (CBG)	11.3 mg/serving	1.13 mg/g	0.113 %
Cannabinol (CBN)	10.2 mg/serving	1.02 mg/g	0.102 %
Cannabichromene (CBC)	1.32 mg/serving	0.132 mg/g	0.0132 %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	1.07 mg/serving	0.107 mg/g	0.0107 %
Delta-8-THC (d8-THC)	<LOQ mg/serving	<LOQ mg/g	<LOQ %

HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	<LOQ µg/serving	<LOQ µg/g	10 µg/day ^[1]
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day ^[1]
Lead	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day ^[2]
Mercury	<LOQ µg/serving	<LOQ µg/g	2 µg/day ^[1]

PESTICIDES	REGULATORY ACTION LEVEL
None of the other 59 pesticides tested found above limit of detection in the sample.	10 ppb ^[1]

RESIDUAL SOLVENTS	Results	REGULATORY ACTION LEVEL
Ethanol	<LOQ µg/g	50,000 mg/day
Heptane	<LOQ µg/g	50,000 mg/day
None of the 34 residual solvents tested found above limit of quantitation in the sample.		

MICROBIAL	PASS/FAIL
Yeast & Mold	Pass
Coliform	Pass



1. American Herbal Pharmacopoeia. (2014). Cannabis Inflorescence: Standards of Identity, Analysis, and Quality Control. Washington DC: AHP.

2. US Food and Drug Administration. (2019). Lead in Food, Foodwares, and Dietary Supplements. Washington DC: FDA. US Food and Drug Administration. (2019). Lead in Food, Foodwares, and Dietary Supplements. Washington DC: FDA.



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



Report Number: 21-013599/D005.R000
Report Date: 11/24/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/17/21 14:45

Customer: Etz Hayim Holdings
Product identity: FORM-211112-GMY.SLP25
Client/Metric ID: .
Laboratory ID: 21-013599-0001

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g [†]	0.132		mg/1g		CBD Total per 1g 3.34 mg/1g
CBD per 1g	3.34		mg/1g		
CBG per 1g [†]	1.13		mg/1g		THC-Total per 1g 0.107 mg/1g
CBN per 1g	1.02		mg/1g		(Reported in milligrams per serving)
CBT per 1g [†]	0.0923		mg/1g		
Δ ⁹ THC per 1g	0.107		mg/1g		

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: Etz Hayim Holdings
 16427 NE Airport Way
 PORTLAND 97230
 United States of America (USA)

Product identity: FORM-211112-GMY.SLP25

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-013599-0001

Evidence of Cooling: No

Temp: 17.3 °C

Relinquished by: Client

Serving Size #1: 1 g

Sample Results

Potency per 1g					
Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2110521 Analyze: 11/19/21 4:21:00 PM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g [†]	0.132		mg/1g	0.0321	
CBC-A per 1g [†]	< LOQ		mg/1g	0.161	
CBC-Total per 1g [†]	0.132		mg/1g	0.0603	
CBD per 1g	3.34		mg/1g	0.0321	
CBD-A per 1g	< LOQ		mg/1g	0.161	
CBD-Total per 1g	3.34		mg/1g	0.0603	
CBDV per 1g [†]	< LOQ		mg/1g	0.161	
CBDV-A per 1g [†]	< LOQ		mg/1g	0.161	
CBDV-Total per 1g [†]	< LOQ		mg/1g	0.300	
CBE per 1g [†]	< LOQ		mg/1g	0.161	
CBG per 1g [†]	1.13		mg/1g	0.0321	
CBG-A per 1g [†]	< LOQ		mg/1g	0.161	
CBG-Total per 1g [†]	1.13		mg/1g	0.0599	
CBL per 1g [†]	< LOQ		mg/1g	0.161	
CBL-A per 1g [†]	< LOQ		mg/1g	0.161	
CBL-Total per 1g [†]	< LOQ		mg/1g	0.301	
CBN per 1g	1.02		mg/1g	0.0321	
CBT per 1g [†]	0.0923		mg/1g	0.0321	
Δ8-THCV per 1g [†]	< LOQ		mg/1g	0.161	
Δ8-THC per 1g [†]	< LOQ		mg/1g	0.161	
Δ9-THC per 1g	0.107		mg/1g	0.0321	
exo-THC per 1g [†]	< LOQ		mg/1g	0.161	
THC-A per 1g	< LOQ		mg/1g	0.161	
THC-Total per 1g	0.107		mg/1g	0.0603	
THCV per 1g [†]	< LOQ		mg/1g	0.161	
THCV-A per 1g [†]	< LOQ		mg/1g	0.161	
THCV-Total per 1g [†]	< LOQ		mg/1g	0.301	
Total Cannabinoids per 1g	5.82		mg/1g		



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2110451	11/21/21	AOAC 991.14 (Petrifilm)		X
Total Coliforms	< LOQ		cfu/g	10	2110451	11/21/21	AOAC 991.14 (Petrifilm)		X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2110452	11/22/21	AOAC 2014.05 (RAPID)		X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2110452	11/22/21	AOAC 2014.05 (RAPID)		X

Solvents Method Residual Solvents by GC/MS Units µg/g Batch 2110517 Analyze 11/22/21 08:36 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)	< LOQ	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		Ethanol ^l	< LOQ		200		
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	< 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 benzene	< LOQ	2170	600	pass							



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2110497 Analyze 11/19/21 04:15 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		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							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0101	2110573	11/23/21	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.200	mg/kg	0.0101	2110573	11/23/21	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.500	mg/kg	0.0101	2110573	11/23/21	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	0.100	mg/kg	0.00506	2110573	11/23/21	AOAC 2013.06 (mod.)	pass	X	



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Report Number: 21-013599/D005.R000
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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

cfu/g = Colony forming units per gram

g = Gram

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/1g = Milligram per 1g

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

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Field ID		Date/Time Collected	Pesticides - OR 59 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metric ID
FORM-211112-GMY.SLP25		10/29 900			X										gummy			Laz Nat Discount
FORM-211112-GMY.SLP25		10/29 900								X	X				gummy			
FORM-211112-GMY.SLP25		10/29 900	X			X						X			gummy			
FORM-211112-GMY.IMM25		10/29 900			X										gummy			
FORM-211112-GMY.IMM25		10/29 900								X	X				gummy			
FORM-211112-GMY.IMM25		10/29 900	X			X							X		↓			

Please run all tests in parallel

Analysis Requested

Purchase Order Number:
Project Number:
Project Name:
 Report Instructions:
 Send to State - METRC
 Email Final Results:
 Fax Final Results
 Cash/Check/CC/Net 30
Other:

Collected By: [Redacted]

Standard (5 day)
 Rush (3-4 day) (1.5x Standard)
 Priority Rush (2 day) (2x Standard)

Lab Use Only:
Client Alias:
Order Number:
Seal Container:
Sample Condition:
Temperature: 17.3°C
Shipped Via: Air
Evidence of cooling: Yes No

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 1.02 Control#: CF023
Effective 01/31/2019 Revised 01/31/2019 www.pixislabs.com Page 1 of 2



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 503-254-1794

Report Number: 21-013599/D005.R000
 Report Date: 11/24/2021
 ORELAP#: OR100028
 Purchase Order:
 Received: 11/17/21 14:45



Revision: 2 Document ID: 3120
 Legacy ID: CFL-C21Effective:

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2110497				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Accephate	0.022	< 0.250		1.048	1.000	104.8	71.7 - 133	
Accequinocyl	0.000	< 1.000		3.869	4.000	96.7	73.3 - 136	
Acetamiprid	0.000	< 0.100		0.448	0.400	112.1	74.8 - 139	
Aldicarb	0.000	< 0.200		0.827	0.800	103.4	86.8 - 161	
Abamectin	0.000	< 0.250		1.075	1.000	107.5	76.9 - 143	
Azoxystrobin	0.000	< 0.100		0.413	0.400	103.3	72.4 - 135	
Bifenazate	0.066	< 0.100		0.531	0.400	132.9	74.6 - 139	
Bifenthrin	0.000	< 0.100		0.379	0.400	94.6	72.0 - 134	
Boscalid	0.000	< 0.200		0.838	0.800	104.8	75.2 - 140	
Carbaryl	0.000	< 0.100		0.428	0.400	107.1	74.5 - 138	
Carbofuran	0.000	< 0.100		0.353	0.400	88.4	74.4 - 138	
Chlorantraniliprol	0.000	< 0.100		0.372	0.400	93.1	70.7 - 131	
Chlorfenapyr	0.000	< 0.500		2.572	2.000	128.6	73.6 - 137	
Chlorpyrifos	0.000	< 0.100		0.446	0.400	111.5	71.0 - 132	
Clofentezine	0.000	< 0.100		0.324	0.400	80.9	42.3 - 78.5	Q1
Cyfluthrin	0.000	< 0.500		1.840	2.000	92.0	79.2 - 147	
Cypermethrin	0.000	< 0.500		1.953	2.000	97.7	77.3 - 144	
Daminozide	0.114	< 0.500		0.875	2.000	43.7	27.1 - 50.3	
Diazinon	0.000	< 0.100		0.488	0.400	122.1	75.7 - 141	
Dichlorvos	0.000	< 0.500		2.363	2.000	118.1	81.3 - 151	
Dimethoat	0.000	< 0.100		0.453	0.400	113.3	73.5 - 137	
Ethoprophos	0.000	< 0.100		0.469	0.400	117.2	74.4 - 138	
Etofenprox	0.000	< 0.200		0.904	0.800	113.0	72.8 - 135	
Etoxazol	0.000	< 0.100		0.426	0.400	106.5	87.6 - 163	
Fenoxycarb	0.000	< 0.100		0.406	0.400	101.6	73.6 - 137	
Fenpyroximat	0.000	< 0.200		0.832	0.800	104.0	72.5 - 135	
Fipronil	0.000	< 0.200		0.846	0.800	105.8	73.7 - 137	
Fonicamid	0.000	< 0.250		1.149	1.000	114.9	75.7 - 141	
Fludioxonil	0.000	< 0.200		1.117	0.800	139.6	75.4 - 140	
Hexythiazox	0.000	< 0.250		1.102	1.000	110.2	70.7 - 131	
Imazali	0.000	< 0.100		0.362	0.400	90.6	72.6 - 135	
Imidacloprid	0.000	< 0.200		0.814	0.800	101.7	74.6 - 139	
Kresoxim-Methyl	0.000	< 0.200		0.826	0.800	103.2	74.4 - 138	
Malathion	0.000	< 0.100		0.405	0.400	101.1	74.0 - 137	
Metaxyl	0.013	< 0.100		0.412	0.400	102.9	74.2 - 138	
Methiocarb	0.039	< 0.100		0.447	0.400	111.8	74.8 - 139	
Methomyl	0.000	< 0.200		0.824	0.800	103.0	72.3 - 134	
MGK 264	0.000	< 0.100		0.473	0.400	118.2	75.8 - 141	
Myclobutanil	0.000	< 0.100		0.430	0.400	107.5	73.8 - 137	
Naled	0.000	< 0.250		0.513	1.000	51.3	38.4 - 71.4	
Oxamyl	0.000	< 0.500		2.103	2.000	105.2	73.4 - 136	
Paclobutrazol	0.000	< 0.200		0.849	0.800	106.2	74.5 - 138	
Parathion Methyl	0.000	< 0.200		0.973	0.800	121.7	72.4 - 134	
Permethrin	0.000	< 0.100		0.403	0.400	100.7	74.7 - 139	
Phosmet	0.000	< 0.100		0.436	0.400	109.1	74.0 - 138	
Piperonyl butoxide	0.034	< 0.500		2.398	2.000	119.9	74.8 - 139	
Prallethrin	0.004	< 0.100		0.410	0.400	102.5	72.6 - 135	
Propiconazole	0.148	< 0.200		0.862	0.800	107.8	75.4 - 140	
Propoxur	0.031	< 0.100		0.400	0.400	100.0	73.5 - 137	
Pyrethrins	0.041	< 0.100		0.357	0.413	86.3	72.8 - 135	
Pyridaben	0.000	< 0.100		0.431	0.400	107.6	76.2 - 142	
Spinosad	0.000	< 0.100		0.431	0.388	111.2	75.7 - 141	
Spiromesifen	0.000	< 0.100		0.450	0.400	112.5	75.2 - 140	
Spirotetramat	0.000	< 0.100		0.441	0.400	110.1	72.6 - 135	
Spiroxamine	0.000	< 0.200		0.901	0.800	112.6	72.7 - 135	
Tebuconazol	0.000	< 0.200		0.854	0.800	106.8	74.0 - 137	
Thiadoprid	0.000	< 0.100		0.440	0.400	110.1	74.2 - 138	
Thiamethoxam	0.000	< 0.100		0.446	0.400	111.4	74.1 - 138	
Trifloxystrobin	0.000	< 0.100		0.475	0.400	118.6	73.5 - 136	



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Revision: 2 Document ID: 3120
Legacy ID: CFL-C21Effective:

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2110497						
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-013521-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Accephate	0.015	0.973	0.959	1.000	1.4%	< 30	95.7%	94.4%	50 - 150	
Acetaminophen	0.000	5.985	6.124	4.000	2.3%	< 30	149.6%	153.1%	50 - 150	Q1
Acetamiprid	0.000	0.478	0.466	0.400	2.6%	< 30	119.5%	116.4%	50 - 150	
Aldicarb	0.000	1.206	0.869	0.800	32.5%	< 30	150.7%	108.7%	50 - 150	R, Q1
Abamectin	0.000	1.176	1.160	1.000	1.3%	< 30	117.6%	116.0%	50 - 150	
Azoxystrobin	0.023	0.494	0.500	0.400	1.3%	< 30	117.7%	119.2%	50 - 150	
Bifenazate	0.000	0.502	0.512	0.400	1.9%	< 30	125.4%	127.9%	50 - 150	
Bifenthrin	0.000	0.645	0.625	0.400	3.1%	< 30	161.2%	156.3%	50 - 150	Q1
Boscalid	0.000	0.947	0.972	0.800	2.6%	< 30	118.3%	121.5%	50 - 150	
Carbaryl	0.000	0.489	0.487	0.400	0.4%	< 30	122.2%	121.7%	50 - 150	
Carbofuran	0.000	0.430	0.490	0.400	13.1%	< 30	107.4%	122.5%	50 - 150	
Chlorantraniliprol	0.000	0.389	0.396	0.400	1.9%	< 30	97.2%	99.0%	50 - 150	
Chlorfenapyr	0.000	3.044	3.276	2.000	7.3%	< 30	152.2%	163.8%	50 - 150	Q1
Chlorpyrifos	0.000	0.889	0.877	0.400	1.4%	< 30	222.3%	219.2%	50 - 150	Q1
Clofentezine	0.000	0.046	0.048	0.400	3.2%	< 30	11.6%	12.0%	50 - 150	Q
Cyfluthrin	0.000	2.334	2.697	2.000	14.4%	< 30	116.7%	134.9%	30 - 150	
Cypermethrin	0.000	2.433	2.812	2.000	14.5%	< 30	121.6%	140.6%	50 - 150	
Daminozide	0.000	0.670	0.681	2.000	1.6%	< 30	33.5%	34.0%	30 - 150	
Diazinon	0.000	0.489	0.471	0.400	3.7%	< 30	122.2%	117.7%	50 - 150	
Dichlorvos	0.000	2.406	2.479	2.000	3.0%	< 30	120.3%	124.0%	50 - 150	
Dimethoat	0.000	0.459	0.471	0.400	2.5%	< 30	114.8%	117.7%	50 - 150	
Ethoprophos	0.000	0.513	0.474	0.400	8.0%	< 30	128.3%	118.5%	50 - 150	
Etofenprox	0.000	1.415	0.875	0.800	47.1%	< 30	176.9%	109.4%	50 - 150	R, Q1
Etoxazol	0.000	0.663	0.678	0.400	2.2%	< 30	165.9%	169.5%	50 - 150	Q1
Fenoxycarb	0.000	0.443	0.433	0.400	2.2%	< 30	110.6%	108.2%	50 - 150	
Fenpyroximat	0.000	1.031	1.129	0.800	9.0%	< 30	128.9%	141.1%	50 - 150	
Fipronil	0.000	1.409	1.544	0.800	9.1%	< 30	176.2%	193.0%	50 - 150	Q1
Fonicamid	0.000	1.116	1.084	1.000	2.9%	< 30	111.6%	108.4%	50 - 150	
Fludioxonil	0.000	0.839	0.917	0.800	8.9%	< 30	104.9%	114.7%	50 - 150	
Hexythiazox	0.000	1.742	1.426	1.000	19.9%	< 30	174.2%	142.6%	50 - 150	Q1
Imazalil	0.000	0.393	0.399	0.400	1.5%	< 30	98.3%	99.7%	50 - 150	
Imidacloprid	0.000	0.926	0.932	0.800	0.7%	< 30	115.7%	116.5%	50 - 150	
Kresoxim-Methyl	0.000	0.964	0.921	0.800	4.6%	< 30	120.5%	115.1%	50 - 150	
Malathion	0.000	0.509	0.498	0.400	2.2%	< 30	127.3%	124.5%	50 - 150	
Metaxalyl	0.000	0.452	0.468	0.400	3.4%	< 30	112.9%	116.9%	50 - 150	
Methiocarb	0.000	0.475	0.490	0.400	3.1%	< 30	118.7%	122.5%	50 - 150	
Methomyl	0.000	0.890	0.867	0.800	2.6%	< 30	111.3%	108.4%	50 - 150	
MKG 264	0.000	0.450	0.455	0.400	1.0%	< 30	112.5%	113.7%	50 - 150	
Myclobutanil	0.000	0.491	0.477	0.400	3.0%	< 30	122.8%	119.3%	50 - 150	
Naled	0.000	1.058	1.145	1.000	7.9%	< 30	105.8%	114.5%	50 - 150	
Oxamyl	0.000	2.233	2.013	2.000	10.4%	< 30	111.7%	100.6%	50 - 150	
Paclobutrazol	0.000	0.961	0.927	0.800	3.6%	< 30	120.1%	115.9%	50 - 150	
Parathion Methyl	0.000	1.292	1.367	0.800	5.7%	< 30	161.5%	170.9%	30 - 150	Q1
Permethrin	0.000	0.464	0.519	0.400	11.2%	< 30	116.1%	129.8%	50 - 150	
Phosmet	0.000	0.489	0.461	0.400	5.9%	< 30	122.3%	115.3%	50 - 150	
Piperonyl butoxide	0.000	3.258	3.500	2.000	7.2%	< 30	162.9%	175.0%	50 - 150	Q1
Prallethrin	0.000	0.317	0.331	0.400	4.3%	< 30	79.2%	82.7%	50 - 150	
Propiconazole	0.000	1.050	1.017	0.800	3.2%	< 30	131.2%	127.1%	50 - 150	
Propoxur	0.028	0.462	0.464	0.400	0.5%	< 30	108.6%	109.1%	50 - 150	
Pyrethrins	0.000	0.406	0.384	0.413	5.6%	< 30	98.2%	92.9%	50 - 150	
Pyridaben	0.000	0.571	0.677	0.400	16.9%	< 30	142.8%	169.1%	50 - 150	Q1
Spinosad	0.000	0.708	0.569	0.388	21.7%	< 30	182.6%	146.8%	50 - 150	Q1
Spiromesifen	0.000	0.674	0.627	0.400	7.3%	< 30	168.5%	156.7%	50 - 150	Q1
Spirotetramat	0.000	0.410	0.384	0.400	6.6%	< 30	102.6%	96.0%	50 - 150	
Spiroxamine	0.000	0.933	0.887	0.800	5.1%	< 30	116.7%	110.9%	50 - 150	
Tebuconazol	0.000	1.077	1.092	0.800	1.4%	< 30	134.6%	136.5%	50 - 150	
Thiadoprid	0.000	0.499	0.484	0.400	3.1%	< 30	124.7%	121.0%	50 - 150	
Thiamethoxam	0.000	0.435	0.392	0.400	10.6%	< 30	108.8%	97.9%	50 - 150	
Trifloxystrobin	0.000	0.498	0.529	0.400	6.0%	< 30	124.5%	132.2%	50 - 150	



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Laboratory Quality Control Results

Batch ID: 2 05 7

Residual Solvents		Method Blank		Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	200		865	9.8	µg/g	9.2	0	0
Isobutane	ND	200		90	260	µg/g	9	0	0
Butane	ND	200		90	260	µg/g	9	0	0
2,2-Dimethylpropane	ND	200		5.0	600	µg/g	9	0	0
Methanol	ND	200		290	6.0	µg/g	80	0	0
Ethylene Oxide	ND	30		93	95	µg/g	9.9	0	0
2-Methylbutane	ND	200		2.0	6.0	µg/g	5.2	0	0
Pentane	ND	200		2.0	6.0	µg/g	5.2	0	0
Ethanol	ND	200		2.0	6.0	µg/g	8.9	0	0
Ethyl Ether	ND	200		60	6.0	µg/g	2.0	0	0
2,2-Dimethylbutane	ND	30		2	6	µg/g	5.0	0	0
Acetone	ND	200		2.0	6.0	µg/g	0	0	0
2-Propanol	ND	200		320	6.0	µg/g	82.0	0	0
Acetonitrile	ND	00		39	8	µg/g	8	0	0
2,3-Dimethylbutane	ND	30		39	6	µg/g	83.2	0	0
Dichloromethane	ND	60		36	9	µg/g	0	0	0
2-Methylpentane	ND	30		2	65	µg/g	0	0	0
3-Methylpentane	ND	30		2	2	µg/g	3.8	0	0
Hexane	ND	30		23	6	µg/g	3	0	0
Ethyl acetate	ND	200		220	6.0	µg/g	5.8	0	0
2-Butanol	ND	200		2.0	6.0	µg/g	8.9	0	0
Tetrahydrofuran	ND	00		366	83	µg/g	5.8	0	0
Cyclohexane	ND	200		220	6.0	µg/g	5.8	0	0
Benzene	ND			5.36	µg/g	6	0	0	0
Isopropyl Acetate	ND	200		3.0	620	µg/g	8.6	0	0
Heptane	ND	200		320	6.0	µg/g	82.0	0	0
Dioxane	ND	00		358	89	µg/g	3.2	0	0
2-Ethoxyethanol	ND	30		30	6	µg/g	8	0	0
Ethylene Glycol	ND	200		38	50	µg/g	6.8	0	0
o-xylene	ND	200		35	8	µg/g	3	0	0
Ethyl benzene	ND	200		05	60	µg/g	2.8	0	0
m,p-Xylene	ND	200			9	µg/g	5.8	0	0
o-Xylene	ND	200		28	98.2	µg/g	0	0	0
Cumene	ND	30		22	69	µg/g	2.2	0	0



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QC Sample Duplicate Sample ID: 21 013634 0001

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	20	Acceptable	
2,2 Dimethylpropane	ND	ND	200	µg/g	0.0	20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	20	Acceptable	
2 Methylbutane	ND	ND	200	µg/g	0.0	20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	20	Acceptable	
2,2 Dimethylbutane	ND	ND	30	µg/g	0.0	20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	20	Acceptable	
2 Propanol	ND	ND	200	µg/g	0.0	20	Acceptable	
Acetonitrile	ND	ND	00	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	200	µg/g	0.0	20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	20	Acceptable	
Benzene	ND	ND	30	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	
Dioxane	ND	ND	00	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	
o xylene	ND	ND	200	µg/g	0.0	20	Acceptable	
Ethyl benzene	ND	ND	200	µg/g	0.0	20	Acceptable	
m p Xylene	ND	ND	200	µg/g	0.0	20	Acceptable	
o Xylene	ND	ND	200	µg/g	0.0	20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g Microgram per gram or ppm



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Revision # 0 00 Con rol CFL D06
Revision Date 05/31/2019 Effective Date 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2110521						
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.00978	0.01	%	97.8	85.0 - 115	Acceptable		
CBDV	0.00971	0.01	%	97.1	85.0 - 115	Acceptable		
CBE	0.0104	0.01	%	104	85.0 - 115	Acceptable		
CBDA	0.0103	0.01	%	103	85.0 - 115	Acceptable		
CBGA	0.00968	0.01	%	96.8	85.0 - 115	Acceptable		
CBG	0.00980	0.01	%	98.0	85.0 - 115	Acceptable		
CBD	0.00996	0.01	%	99.6	85.0 - 115	Acceptable		
THCV	0.00942	0.01	%	94.2	85.0 - 115	Acceptable		
d8THCV	0.00975	0.01	%	97.5	85.0 - 115	Acceptable		
THCVA	0.00922	0.01	%	92.2	85.0 - 115	Acceptable		
CBN	0.00985	0.01	%	98.5	85.0 - 115	Acceptable		
exo-THC	0.00905	0.01	%	90.5	85.0 - 115	Acceptable		
d9THC	0.00933	0.01	%	93.3	85.0 - 115	Acceptable		
d8THC	0.00906	0.01	%	90.6	85.0 - 115	Acceptable		
CBL	0.00897	0.01	%	89.7	85.0 - 115	Acceptable		
CBC	0.00937	0.01	%	93.7	85.0 - 115	Acceptable		
THCA	0.0103	0.01	%	103	85.0 - 115	Acceptable		
CBCA	0.00961	0.01	%	96.1	85.0 - 115	Acceptable		
CBLA	0.00977	0.01	%	97.7	85.0 - 115	Acceptable		
CBT	0.00878	0.01	%	87.8	85.0 - 115	Acceptable		

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	0.003	%	< 0.003	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 # 0 00 Con rol CFL D06
Revision Date 05/31/2019 Effective Date 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6								
Batch ID: 2110521								
Sample Duplicate								
Sample ID: 21-013526-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD A	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.129	0.130	0.003	%	0.849	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.0620	0.0625	0.003	%	0.858	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	

Abbreviations

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- NA - Calculation Not Applicable given non-numerical results

Units of Measure:

% - Percent



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Explanation of QC Flag Comments:

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