

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU TN.FS.CC50

BATCH # DJ11

PRODUCT NAME Tincture - LTO - Candy Cane - 50mg **SERVING SIZE** 1 mL

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)	61.8 mg/serving	65.1 mg/g	6.51 %
Total THC (d9-THC, THCA)	2.29 mg/serving	2.41 mg/g	0.241 %
Cannabigerol (CBG)	1.22 mg/serving	1.28 mg/g	0.128 %
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	2.40 mg/serving	2.53 mg/g	0.253 %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	2.29 mg/serving	2.41 mg/g	0.241 %
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	
Heptane	<LOQ	
None of the 34 residual solvents tested found above limit of quantitation in the sample.		

MICROBIAL	PASS/FAIL
Yeast & Mold	Pass
Coliform	Pass
Water Activity	Pass

TERPENES	% OF SAMPLE
Farnesene	18.0 %
β-Caryophyllene	17.6 %
α-Bisabolol	9.63 %
Guaiol	2.78 %
Humulene	9.01 %
Caryophyllene Oxide	4.22 %



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: 21-012819/D002.R000
Report Date: 11/05/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

Customer: Etz Hayim Holdings
Product identity: FORM-DJ11-TN.FS.CC50
Client/Metric ID: .
Laboratory ID: 21-012819-0001

Summary

Potency:

Analyte per 1ml	Result	Limits	Units	Status	
CBC per 1ml [†]	2.40		mg/1ml		CBD Total per 1ml 61.8 mg/1ml
CBD per 1ml	61.8		mg/1ml		
CBDV per 1ml [†]	0.383		mg/1ml		THC-Total per 1ml 2.29 mg/1ml
CBE per 1ml [†]	0.685		mg/1ml		
CBG per 1ml [†]	1.22		mg/1ml		(Reported in milligrams per serving)
CBL per 1ml [†]	0.0789		mg/1ml		
CBT per 1ml [†]	1.11		mg/1ml		
Δ ⁹ THC per 1ml	2.29		mg/1ml		



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Report Number: 21-012819/D002.R000
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Received: 10/29/21 15:40



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

Product identity: FORM-DJ11-TN.FS.CC50

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-012819-0001

Evidence of Cooling: No

Temp: 19.1 °C

Relinquished by: Client

Serving Size #1: 0.95 g

Density: 0.9500 g/ml

Sample Results

Potency per 1ml	Method J AOAC 2015 V98-6 (mod)	Units mg/se	Batch: 2109934	Analyze: 11/3/21 6:25:00 AM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1ml [†]	2.40		mg/1ml	0.0299	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.0299	
CBC-Total per 1ml [†]	2.40		mg/1ml	0.0561	
CBD per 1ml	61.8		mg/1ml	0.299	
CBD-A per 1ml	< LOQ		mg/1ml	0.0299	
CBD-Total per 1ml	61.8		mg/1ml	0.325	
CBDV per 1ml [†]	0.383		mg/1ml	0.0299	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.0299	
CBDV-Total per 1ml [†]	0.383		mg/1ml	0.0558	
CBE per 1ml [†]	0.685		mg/1ml	0.0299	
CBG per 1ml [†]	1.22		mg/1ml	0.0299	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.0299	
CBG-Total per 1ml [†]	1.22		mg/1ml	0.0558	
CBL per 1ml [†]	0.0789		mg/1ml	0.0299	
CBL-A per 1ml [†]	< LOQ		mg/1ml	0.0299	
CBL-Total per 1ml [†]	0.0789		mg/1ml	0.0561	
CBN per 1ml	< LOQ		mg/1ml	0.0299	
CBT per 1ml [†]	1.11		mg/1ml	0.0299	
Δ8-THCV per 1ml [†]	< LOQ		mg/1ml	0.0299	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.0299	
Δ9-THC per 1ml	2.29		mg/1ml	0.0299	
exo-THC per 1ml [†]	< LOQ		mg/1ml	0.0299	
THC-A per 1ml	< LOQ		mg/1ml	0.0299	
THC-Total per 1ml	2.29		mg/1ml	0.0561	
THCV per 1ml [†]	< LOQ		mg/1ml	0.0299	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.0299	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	0.0561	
Total Cannabinoids per 1ml	69.9		mg/1ml		



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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

g = Gram

g/ml = Gram per milliliter

mg/1ml = Milligram per 1ml

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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503-254-1794



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Received: 10/29/21 15:40



12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: ETZHH INC		Analysis Requested										Purchase Order Number:					
Contact: [REDACTED]		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	Project Number:			
Address: [REDACTED]														Project Name:			
Email: [REDACTED]														<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30			
Phone: [REDACTED]														Other:			
Processor's License:																	
Field ID	Date/Time Collected													Matrix	Weight	Serving size for edibles	Comments/Metric ID
FORM-DJ11-TN.FS.CC50	10/25 1800			X						X	X			Tincture			Laz Nat Discount
FORM-DJ11-TN.FS.CC50	10/25 1800								X	X				Tincture			
FORM-DJ11-TN.FS.CC50	10/25 1800	X			X		X				X			Tincture			potency first

Collected By:	Relinquished By:	Date:	Time:	Received by:	Date:	Time:	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	[REDACTED]			[REDACTED]			Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container: <i>Y</i>
							Sample Condition: <i>Y</i>
							Temperature: <i>10.1°C</i>
							Shipped Via: <i>Client</i>
							Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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

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Portland, OR 97230
503-254-1794



Report Number: 21-012819/D002.R000
Report Date: 11/05/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

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: 2109934							
Laboratory Control Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.00959	0.01	%	95.9	85.0 - 115	Acceptable	
CBDV	0.0103	0.01	%	103	85.0 - 115	Acceptable	
CBE	0.00998	0.01	%	99.8	85.0 - 115	Acceptable	
CBDA	0.00990	0.01	%	99.0	85.0 - 115	Acceptable	
CBGA	0.00961	0.01	%	96.1	85.0 - 115	Acceptable	
CBG	0.0100	0.01	%	100	85.0 - 115	Acceptable	
CBD	0.0101	0.01	%	101	85.0 - 115	Acceptable	
THCV	0.00962	0.01	%	96.2	85.0 - 115	Acceptable	
d8THCV	0.00967	0.01	%	96.7	85.0 - 115	Acceptable	
THCVA	0.00941	0.01	%	94.1	85.0 - 115	Acceptable	
CBN	0.0103	0.01	%	103	85.0 - 115	Acceptable	
exo-THC	0.0102	0.01	%	102	85.0 - 115	Acceptable	
d9THC	0.00991	0.01	%	99.1	85.0 - 115	Acceptable	
d8THC	0.00951	0.01	%	95.1	85.0 - 115	Acceptable	
CBL	0.00935	0.01	%	93.5	85.0 - 115	Acceptable	
CBC	0.00999	0.01	%	99.9	85.0 - 115	Acceptable	
THCA	0.00995	0.01	%	99.5	85.0 - 115	Acceptable	
CBCA	0.00981	0.01	%	98.1	85.0 - 115	Acceptable	
CBLA	0.00995	0.01	%	99.5	85.0 - 115	Acceptable	
CBT	0.0112	0.01	%	112	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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Report Number: 21-012819/D002.R000
Report Date: 11/05/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

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: 2109934								
Sample Duplicate								
Sample ID: 21-012818-0001								
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.00455	0.00454	0.003	%	0.334	< 20	Acceptable	
CBE	0.00805	0.00828	0.003	%	2.82	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0127	0.0126	0.003	%	0.601	< 20	Acceptable	
CBD	0.912	0.911	0.003	%	0.0379	< 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	0.0248	0.0246	0.003	%	0.659	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0474	0.0476	0.003	%	0.321	< 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	0.00545	0.00534	0.003	%	2.09	< 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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 Portland, OR 97230
 503-254-1794



Report Number: 21-012819/D002.R000
Report Date: 11/05/2021
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Received: 10/29/21 15:40

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.



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



Report Number: 21-012819/D004.R000
Report Date: 11/19/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

Customer: Etz Hayim Holdings
Product identity: FORM-DJ11-TN.FS.CC50
Client/Metric ID: .
Laboratory ID: 21-012819-0003

Summary

Microbiology:

Less than LOQ for all analytes.



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



Report Number: 21-012819/D004.R000
Report Date: 11/19/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

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

Product identity: FORM-DJ11-TN.FS.CC50

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-012819-0003

Evidence of Cooling: No

Temp: 19.1 °C

Relinquished by: Client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2110277	11/17/21	AOAC 991.14 (Petrifilm)	X	
Total Coliforms	< LOQ		cfu/g	10	2110277	11/17/21	AOAC 991.14 (Petrifilm)	X	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2110275	11/18/21	AOAC 2014.05 (RAPID)	X, I	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2110275	11/18/21	AOAC 2014.05 (RAPID)	X, I	



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Received: 10/29/21 15:40

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.

Units of Measure

cfu/g = Colony forming units per gram

% wt = µg/g divided by 10,000

Glossary of Qualifiers

I: Insufficient sample received to meet method requirements.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 21-012819/D004.R000
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Received: 10/29/21 15:40



12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: ETZHH INC		Analysis Requested										Purchase Order Number:					
Cont: [REDACTED]		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	Project Number:			
Addr: [REDACTED]														Project Name:			
Email: [REDACTED]														<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30			
Phone: [REDACTED]														Other:			
Processor's License:																	
Field ID	Date/Time Collected												Matrix	Weight	Serving size for edibles	Comments/Metric ID	
FORM-DJ11-TN.FS.CC50	10/25 1800			X										Tincture			Laz Nat Discount
FORM-DJ11-TN.FS.CC50	10/25 1800								X	X				Tincture			
FORM-DJ11-TN.FS.CC50	10/25 1800	X			X		X				X			Tincture			potency first

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 10.1 °C
							Shipped Via: Client
							Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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

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 Portland, OR 97230
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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.
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Report Number: 21-012819/D005.R000
Report Date: 11/19/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

Customer: Etz Hayim Holdings
Product identity: FORM-DJ11-TN.FS.CC50
Client/Metric ID: .
Laboratory ID: 21-012819-0002

Summary

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
Menthol [†]	0.242	34.38%	farnesene [†]	0.127	18.04%
β-Caryophyllene [†]	0.124	17.61%	α-Bisabolol [†]	0.0678	9.63%
Humulene [†]	0.0634	9.01%	β-Myrcene [†]	0.0309	4.39%
(-)-caryophyllene oxide [†]	0.0297	4.22%	(-)-Guaiol [†]	0.0196	2.78%
Total Terpenes[†]	0.704	100.00%			

Metals:

Less than LOQ for all analytes.



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Report Number: 21-012819/D005.R000
Report Date: 11/19/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

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

Product identity: FORM-DJ11-TN.FS.CC50

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-012819-0002

Evidence of Cooling: No

Temp: 19.1 °C

Relinquished by: Client

Sample Results

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2110352	Analyze 11/17/21 08:33 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 ¹	< 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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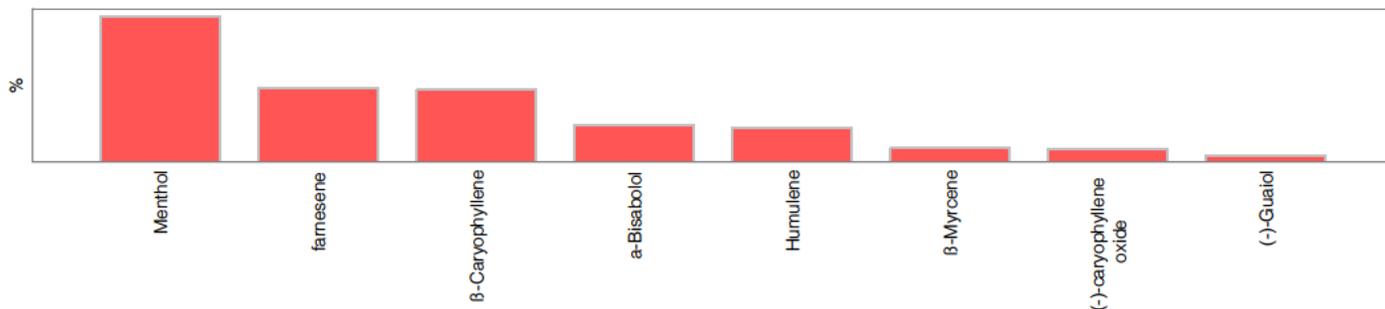


Report Number: 21-012819/D005.R000
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Received: 10/29/21 15:40

Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2110393 Analyze 11/17/21 04:26 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							



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2110380	Analyze 11/16/21 11:50 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
Menthol [†]	0.242	0.019	34.375%		farnesene [†]	0.127	0.019	18.040%	
β-Caryophyllene [†]	0.124	0.019	17.614%		α-Bisabolol [†]	0.0678	0.019	9.6307%	
Humulene [†]	0.0634	0.019	9.0057%		β-Myrcene [†]	0.0309	0.019	4.3892%	
(-)-caryophyllene oxide [†]	0.0297	0.019	4.2188%		(-)-Guaiol [†]	0.0196	0.019	2.7841%	
Linalool [†]	< LOQ	0.019	0.00%		Geraniol [†]	< LOQ	0.019	0.00%	
(R)-(+)-Limonene [†]	< LOQ	0.019	0.00%		(±)-trans-Nerolidol [†]	< LOQ	0.019	0.00%	
γ-Terpinene [†]	< LOQ	0.019	0.00%		trans-β-Ocimene [†]	< LOQ	0.013	0.00%	
(+)-fenchol [†]	< LOQ	0.019	0.00%		(+)-Cedrol [†]	< LOQ	0.019	0.00%	
α-Terpinene [†]	< LOQ	0.019	0.00%		(-)-α-Terpineol [†]	< LOQ	0.019	0.00%	
nerol [†]	< LOQ	0.019	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%	
Eucalyptol [†]	< LOQ	0.019	0.00%		Terpinolene [†]	< LOQ	0.019	0.00%	
(±)-Camphor [†]	< LOQ	0.019	0.00%		Sabinene [†]	< LOQ	0.019	0.00%	
α-pinene [†]	< LOQ	0.019	0.00%		Sabinene hydrate [†]	< LOQ	0.019	0.00%	
p-Cymene [†]	< LOQ	0.019	0.00%		(+)-Pulegone [†]	< LOQ	0.019	0.00%	
Geranyl acetate [†]	< LOQ	0.019	0.00%		α-phellandrene [†]	< LOQ	0.019	0.00%	
(±)-cis-Nerolidol [†]	< LOQ	0.019	0.00%		(-)-Isopulegol [†]	< LOQ	0.019	0.00%	
(-)-β-Pinene [†]	< LOQ	0.019	0.00%		(+)-Borneol [†]	< LOQ	0.019	0.00%	
(±)-fenchone [†]	< LOQ	0.019	0.00%		α-cedrene [†]	< LOQ	0.019	0.00%	
Camphene [†]	< LOQ	0.019	0.00%		d-3-Carene [†]	< LOQ	0.019	0.00%	
Isoborneol [†]	< LOQ	0.019	0.00%		valencene [†]	< LOQ	0.019	0.00%	
Total Terpenes	0.704								



Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0445	2110440	11/18/21	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0445	2110440	11/18/21	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0445	2110440	11/18/21	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0223	2110440	11/18/21	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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Portland, OR 97230
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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: ETZHH INC		Analysis Requested										Purchase Order Number:					
Contact: [REDACTED]		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	Project Number:			
Address: [REDACTED]														Project Name:			
Email: [REDACTED]														<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input checked="" type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30			
Phone: [REDACTED]														Other:			
Processor's License:																	
Field ID	Date/Time Collected													Matrix	Weight	Serving size for edibles	Comments/Metric ID
FORM-DJ11-TN.FS.CC50	10/25 1800			X										Tincture			Laz Nat Discount
FORM-DJ11-TN.FS.CC50	10/25 1800								X	X				Tincture			
FORM-DJ11-TN.FS.CC50	10/25 1800	X			X		X				X			Tincture			potency first

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Proper Container: <i>Y</i>
	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Sample Condition: <i>Y</i>
	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Temperature: <i>10.1°C</i>
	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Shipped Via: <i>Client</i>
	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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

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Report Date: 11/19/2021
ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

Revision Document ID
Legacy ID Effective

Terpenes Quality Control Results

Method Reference: EPA5035				Batch D: 2110380					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
Camphene	<LOQ	< 200		439	500	µg/g	88%	70 - 130	
Sabinene	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
b-Phene	<LOQ	< 200		527	500	µg/g	105%	70 - 130	
b-Myrcene	<LOQ	< 200		426	500	µg/g	85%	70 - 130	
a-phellandrene	<LOQ	< 200		364	500	µg/g	73%	70 - 130	
d-3-Caene	<LOQ	< 200		468	500	µg/g	94%	70 - 130	
a-Terpinene	<LOQ	< 200		480	500	µg/g	96%	70 - 130	
p-Cymene	<LOQ	< 200		437	500	µg/g	87%	70 - 130	
D-Limonene	<LOQ	< 200		490	500	µg/g	98%	70 - 130	
Eucalyptol	<LOQ	< 200		463	500	µg/g	93%	70 - 130	
b-α-Cimene	<LOQ	< 67		141	167	µg/g	84%	70 - 130	
b-trans-Cimene	<LOQ	< 133		298	333	µg/g	89%	70 - 130	
g-Terpinene	<LOQ	< 200		498	500	µg/g	100%	70 - 130	
Sabinene Hydrate	<LOQ	< 200		481	500	µg/g	96%	70 - 130	
Terpinolene	<LOQ	< 200		475	500	µg/g	95%	70 - 130	
D-Fenchone	<LOQ	< 200		514	500	µg/g	103%	70 - 130	
Linalool	<LOQ	< 200		466	500	µg/g	93%	70 - 130	
Fenchol	<LOQ	< 200		504	500	µg/g	101%	70 - 130	
Camphor	<LOQ	< 200		443	500	µg/g	89%	70 - 130	
Isopuleg	<LOQ	< 200		399	500	µg/g	80%	70 - 130	
Isborneol	<LOQ	< 200		446	500	µg/g	89%	70 - 130	
Borneol	<LOQ	< 200		530	500	µg/g	106%	70 - 130	
DL-Menthol	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
Terpineol	<LOQ	< 200		499	500	µg/g	100%	70 - 130	
Nerol	<LOQ	< 200		423	500	µg/g	85%	70 - 130	
Pulegone	<LOQ	< 200		513	500	µg/g	103%	70 - 130	
Geraniol	<LOQ	< 200		515	500	µg/g	103%	70 - 130	
Geranyl Acetate	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
α-Cedrene	<LOQ	< 200		541	500	µg/g	108%	70 - 130	
b-Caryophyllene	<LOQ	< 200		497	500	µg/g	99%	70 - 130	
α-Humulene	<LOQ	< 200		541	500	µg/g	108%	70 - 130	
Valenene	<LOQ	< 200		414	500	µg/g	83%	70 - 130	
cis-Nerolidol	<LOQ	< 200		457	500	µg/g	91%	70 - 130	
α-Farnesene	<LOQ	< 200		501	500	µg/g	100%	70 - 130	
trans-Nerolidol	<LOQ	< 200		559	500	µg/g	112%	70 - 130	
Caryophyllene Oxide	<LOQ	< 200		469	500	µg/g	94%	70 - 130	
Guaiol	<LOQ	< 200		579	500	µg/g	116%	70 - 130	
Cedrol	<LOQ	< 200		474	500	µg/g	95%	70 - 130	
α-Bisabolol	<LOQ	< 200		475	500	µg/g	95%	70 - 130	

Definitions

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



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Revision Document ID
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Terpenes Quality Control Results

Method Reference: EPA5035		Batch D: 2110380					
Sample/Sample Duplicate		Sample D: 21-012837-0003					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	193	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	193	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	193	µg/g	0%	< 20	
b-Pinene	<LOQ	<LOQ	193	µg/g	0%	< 20	
b-Myrcene	<LOQ	<LOQ	193	µg/g	0%	< 20	
a-phellandrene	<LOQ	<LOQ	193	µg/g	0%	< 20	
d-3-Caene	<LOQ	<LOQ	193	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	193	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	193	µg/g	0%	< 20	
D-Limonene	<LOQ	<LOQ	193	µg/g	0%	< 20	
Eucalyptol	<LOQ	<LOQ	193	µg/g	0%	< 20	
b-cis-OCimene	<LOQ	<LOQ	64.3	µg/g	0%	< 20	
b-trans-OCimene	<LOQ	<LOQ	129	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	193	µg/g	0%	< 20	
Sabinene Hydrate	<LOQ	<LOQ	193	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	193	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	193	µg/g	0%	< 20	
Linalool	<LOQ	<LOQ	193	µg/g	0%	< 20	
Fenchol	<LOQ	<LOQ	193	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	193	µg/g	0%	< 20	
Isopuleg	577	577	193	µg/g	0%	< 20	
Isborneol	<LOQ	<LOQ	193	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	193	µg/g	0%	< 20	
DL-Menthol	89200	89000	193	µg/g	0%	< 20	
Terpineol	194	202	193	µg/g	4%	< 20	
Nerol	<LOQ	<LOQ	193	µg/g	0%	< 20	
Rulegone	603	605	193	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	193	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	193	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	193	µg/g	0%	< 20	
b-Caryophyllene	252	254	193	µg/g	1%	< 20	
a-Humulene	<LOQ	<LOQ	193	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	193	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	193	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	193	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	193	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	193	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	193	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	193	µg/g	0%	< 20	
a-Bisabol	<LOQ	<LOQ	193	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference



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Purchase Order:
Received: 10/29/21 15:40

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

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg						Batch ID: 2110393			
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 21-012819-0002									
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Acceptate	0.000	1.192	1.319	1.000	10.1%	< 30	119.2%	131.9%	50 - 150		
Acetaminiprid	0.000	0.459	0.471	0.400	2.5%	< 30	114.8%	117.8%	50 - 150		
Aldicarb	0.000	0.771	0.502	0.800	42.2%	< 30	96.3%	62.8%	50 - 150	R	
Abamectin	0.000	1.296	1.434	1.000	10.1%	< 30	129.6%	143.4%	50 - 150		
Azoxystrobin	0.000	0.404	0.411	0.400	1.7%	< 30	100.9%	102.7%	50 - 150		
Bifenazate	0.000	0.520	0.610	0.400	16.0%	< 30	129.9%	152.5%	50 - 150	Q1	
Bifenthrin	0.000	0.373	0.356	0.400	4.7%	< 30	93.3%	89.0%	50 - 150		
Boscalid	0.000	0.881	0.911	0.800	3.3%	< 30	110.1%	113.8%	50 - 150		
Carbaryl	0.000	0.448	0.459	0.400	2.5%	< 30	112.0%	114.8%	50 - 150		
Carbofuran	0.000	0.386	0.346	0.400	11.1%	< 30	96.5%	86.4%	50 - 150		
Chlorantraniliprol	0.000	0.418	0.410	0.400	2.0%	< 30	104.5%	102.5%	50 - 150		
Chlorfenapyr	0.000	2.171	1.772	2.000	20.2%	< 30	108.5%	88.6%	50 - 150		
Chlorpyrifos	0.000	0.442	0.437	0.400	1.2%	< 30	110.4%	109.1%	50 - 150		
Clofentezine	0.000	0.441	0.461	0.400	4.3%	< 30	110.2%	115.1%	50 - 150		
Cyfluthrin	0.000	1.152	1.294	2.000	11.7%	< 30	57.6%	64.7%	30 - 150		
Cypermethrin	0.000	0.988	1.067	2.000	7.7%	< 30	49.4%	53.3%	50 - 150	Q	
Daminozide	0.000	1.469	1.799	2.000	20.2%	< 30	73.5%	90.0%	30 - 150		
Diazinon	0.000	0.426	0.464	0.400	8.6%	< 30	106.5%	116.0%	50 - 150		
Dichlorvos	0.000	2.361	2.357	2.000	0.2%	< 30	118.1%	117.8%	50 - 150		
Dimethoat	0.000	0.453	0.481	0.400	6.1%	< 30	113.2%	120.3%	50 - 150		
Ethoprophos	0.000	0.401	0.458	0.400	13.3%	< 30	100.2%	114.4%	50 - 150		
Etofenprox	0.000	0.584	0.466	0.800	22.6%	< 30	73.0%	58.2%	50 - 150		
Etoxazol	0.000	0.403	0.490	0.400	19.5%	< 30	100.8%	122.6%	50 - 150		
Fenoxycarb	0.000	0.454	0.456	0.400	0.4%	< 30	113.5%	113.9%	50 - 150		
Fenpyroximat	0.000	0.489	0.497	0.800	1.6%	< 30	61.2%	62.2%	50 - 150		
Fipronil	0.000	0.902	0.834	0.800	7.9%	< 30	112.8%	104.2%	50 - 150		
Fonicamid	0.000	1.396	1.225	1.000	13.0%	< 30	139.6%	122.5%	50 - 150		
Fludioxonil	0.000	0.811	1.074	0.800	27.9%	< 30	101.4%	134.2%	50 - 150		
Hexythiazox	0.000	1.079	1.334	1.000	21.2%	< 30	107.9%	133.4%	50 - 150		
Imazalil	0.000	0.460	0.464	0.400	0.9%	< 30	114.9%	116.0%	50 - 150		
Imidacloprid	0.000	0.895	0.963	0.800	7.2%	< 30	111.9%	120.3%	50 - 150		
Kresoxim-Methyl	0.000	0.888	0.913	0.800	2.7%	< 30	111.0%	114.1%	50 - 150		
Malathion	0.000	0.353	0.398	0.400	12.0%	< 30	88.3%	99.5%	50 - 150		
Metaxyl	0.000	0.449	0.467	0.400	3.9%	< 30	112.3%	116.8%	50 - 150		
Methiocarb	0.000	0.444	0.436	0.400	1.8%	< 30	111.1%	109.1%	50 - 150		
Methomyl	0.000	1.008	0.790	0.800	24.2%	< 30	126.0%	98.8%	50 - 150		
MGK 264	0.000	0.419	0.470	0.400	11.5%	< 30	104.7%	117.4%	50 - 150		
Myclobutanil	0.000	0.418	0.410	0.400	2.0%	< 30	104.5%	102.4%	50 - 150		
Naled	0.000	0.947	0.981	1.000	3.5%	< 30	94.7%	98.1%	50 - 150		
Oxamyl	0.000	2.385	2.222	2.000	7.1%	< 30	119.2%	111.1%	50 - 150		
Paclobutrazol	0.000	0.948	0.987	0.800	4.1%	< 30	118.5%	123.4%	50 - 150		
Parathion Methyl	0.000	0.856	0.754	0.800	12.7%	< 30	107.0%	94.2%	30 - 150		
Permethrin	0.000	0.334	0.405	0.400	19.2%	< 30	83.4%	101.1%	50 - 150		
Phosmet	0.000	0.451	0.473	0.400	4.6%	< 30	112.8%	118.2%	50 - 150		
Piperonyl butoxide	0.000	2.700	2.613	2.000	3.3%	< 30	135.0%	130.6%	50 - 150		
Prallethrin	0.000	0.639	0.680	0.400	6.2%	< 30	159.8%	170.0%	50 - 150	Q1	
Propiconazole	0.000	0.935	0.964	0.800	3.1%	< 30	116.9%	120.5%	50 - 150		
Propoxur	0.000	0.437	0.418	0.400	4.3%	< 30	109.1%	104.6%	50 - 150		
Pyrethrins	0.002	0.354	0.386	0.413	8.8%	< 30	85.2%	93.0%	50 - 150		
Pyridaben	0.000	0.446	0.428	0.400	4.3%	< 30	111.6%	106.9%	50 - 150		
Spinosad	0.000	0.459	0.492	0.388	7.0%	< 30	118.3%	126.8%	50 - 150		
Spiromesifen	0.000	0.463	0.474	0.400	2.3%	< 30	115.8%	118.5%	50 - 150		
Spirotetramat	0.000	0.517	0.507	0.400	2.0%	< 30	129.2%	126.7%	50 - 150		
Spiroxamine	0.000	0.849	0.900	0.800	5.8%	< 30	106.1%	112.5%	50 - 150		
Tebuconazol	0.000	0.914	0.913	0.800	0.1%	< 30	114.3%	114.2%	50 - 150		
Thiadoprid	0.000	0.464	0.459	0.400	1.2%	< 30	116.0%	114.6%	50 - 150		
Thiamethoxam	0.000	0.502	0.452	0.400	10.4%	< 30	125.6%	113.1%	50 - 150		
Trifloxystrobin	0.000	0.451	0.449	0.400	0.3%	< 30	112.7%	112.3%	50 - 150		



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ORELAP#: OR100028
Purchase Order:
Received: 10/29/21 15:40

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

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2110393				
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Accephate	0.009	< 0.250		1.243	1.000	124.3	72.3 - 134	
Accequinocyl	0.000	< 1.000		5.172	4.000	129.3	71.4 - 133	
Acetamiprid	0.000	< 0.100		0.458	0.400	114.6	72.5 - 135	
Aldicarb	0.000	< 0.200		0.936	0.800	117.0	74.5 - 138	
Abamectin	0.000	< 0.250		1.156	1.000	115.6	75.7 - 141	
Azoxystrobin	0.000	< 0.100		0.388	0.400	97.1	72.1 - 134	
Bifenazate	0.000	< 0.100		0.512	0.400	128.0	78.9 - 147	
Bifenthrin	0.000	< 0.100		0.410	0.400	102.6	71.9 - 134	
Boscalid	0.000	< 0.200		1.011	0.800	126.4	72.6 - 135	
Carbaryl	0.000	< 0.100		0.486	0.400	121.5	72.7 - 135	
Carbofuran	0.009	< 0.100		0.488	0.400	121.9	73.4 - 136	
Chlorantraniliprol	0.000	< 0.100		0.397	0.400	99.1	68.0 - 126	
Chlorfenapyr	0.000	< 0.500		2.513	2.000	125.6	72.3 - 134	
Chlorpyrifos	0.000	< 0.100		0.508	0.400	126.9	70.3 - 131	
Clofentezine	0.000	< 0.100		0.459	0.400	114.7	70.9 - 132	
Cyfluthrin	0.000	< 0.500		2.346	2.000	117.3	74.1 - 138	
Cypermethrin	0.000	< 0.500		2.302	2.000	115.1	73.0 - 136	
Daminozide	0.000	< 0.500		2.152	2.000	107.6	72.0 - 134	
Diazinon	0.000	< 0.100		0.463	0.400	115.8	72.4 - 134	
Dichlorvos	0.000	< 0.500		2.408	2.000	120.4	70.6 - 131	
Dimethoat	0.000	< 0.100		0.441	0.400	110.2	72.2 - 134	
Ethoprophos	0.000	< 0.100		0.415	0.400	103.8	71.1 - 132	
Etofenprox	0.000	< 0.200		0.721	0.800	90.1	73.6 - 137	
Etoxazol	0.000	< 0.100		0.471	0.400	117.7	72.5 - 135	
Fenoxycarb	0.000	< 0.100		0.453	0.400	113.2	71.7 - 133	
Fenpyroximat	0.000	< 0.200		0.934	0.800	116.8	72.8 - 135	
Fipronil	0.000	< 0.200		1.068	0.800	133.6	73.8 - 137	
Fonicamid	0.000	< 0.250		1.270	1.000	127.0	72.7 - 135	
Fludioxonil	0.000	< 0.200		0.796	0.800	99.5	75.5 - 140	
Hexythiazox	0.000	< 0.250		1.068	1.000	106.8	70.7 - 131	
Imazalil	0.000	< 0.100		0.450	0.400	112.5	74.2 - 138	
Imidacloprid	0.000	< 0.200		0.889	0.800	111.2	72.2 - 134	
Kresoxim-Methyl	0.000	< 0.200		0.965	0.800	120.6	72.0 - 134	
Malathion	0.000	< 0.100		0.448	0.400	112.0	72.0 - 134	
Metaxalyl	0.000	< 0.100		0.463	0.400	115.8	72.7 - 135	
Methiocarb	0.000	< 0.100		0.473	0.400	118.3	72.0 - 134	
Methomyl	0.000	< 0.200		0.929	0.800	116.1	71.6 - 133	
MGK 264	0.000	< 0.100		0.497	0.400	124.2	71.9 - 133	
Myclobutanil	0.000	< 0.100		0.413	0.400	103.2	72.4 - 135	
Naled	0.000	< 0.250		1.119	1.000	111.9	72.6 - 135	
Oxamyl	0.000	< 0.500		2.260	2.000	113.0	72.8 - 135	
Paclobutrazol	0.000	< 0.200		1.067	0.800	133.3	72.5 - 135	
Parathion Methyl	0.033	< 0.200		0.939	0.800	117.4	74.6 - 138	
Permethrin	0.000	< 0.100		0.427	0.400	106.8	72.3 - 134	
Phosmet	0.000	< 0.100		0.440	0.400	109.9	72.0 - 134	
Piperonyl butoxide	0.000	< 0.500		2.862	2.000	143.1	74.7 - 139	Q1
Prallethrin	0.000	< 0.100		0.484	0.400	121.0	72.3 - 134	
Propiconazole	0.000	< 0.200		1.037	0.800	129.6	72.1 - 134	
Propoxur	0.005	< 0.100		0.485	0.400	121.2	71.5 - 133	
Pyrethrins	0.000	< 0.100		0.424	0.413	102.7	68.6 - 127	
Pyridaben	0.000	< 0.100		0.528	0.400	131.9	71.5 - 133	
Spinosad	0.000	< 0.100		0.431	0.388	111.0	74.4 - 138	
Spiromesifen	0.000	< 0.100		0.465	0.400	116.2	73.7 - 137	
Spirotetramat	0.000	< 0.100		0.503	0.400	125.8	72.6 - 135	
Spiroxamine	0.000	< 0.200		0.836	0.800	104.5	70.3 - 131	
Tebuconazol	0.000	< 0.200		1.047	0.800	130.9	72.1 - 134	
Thiadoprid	0.000	< 0.100		0.473	0.400	118.3	71.8 - 133	
Thiamethoxam	0.000	< 0.100		0.446	0.400	111.5	71.6 - 133	
Trifloxystrobin	0.000	< 0.100		0.439	0.400	109.7	72.0 - 134	



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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.