

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU CAP.ENY25	BATCH # DL20	LOQ: Limit Of Quantitation LOD: Limit Of Detection 1 g = 10 ⁻³ kg = 10 ³ mg = 10 ⁶ µg 1 mg/kg = 1 ppm = 1000 ppb
PRODUCT NAME CBD Energy Capsules	SERVING SIZE 2 Capsules	
LABORATORY: Columbia Laboratories	OREGON ACCREDITATION: OR100028	

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	52.0 mg/serving	68.4 mg/g	6.84 %
Total THC (d9-THC, THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabigerol (CBG)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabinol (CBN)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Tetrahydrocannabinolic Acid (THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
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	50,000 mg/day
Heptane	<LOQ	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: 21-015088/D002.R000
Report Date: 12/31/2021
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

Customer: Etz Hayim Holdings
Product identity: FORM-DL20-CAP.ENY25
Client/Metric ID: .
Laboratory ID: 21-015088-0001

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status	
CBD per 1g	68.4		mg/1g		CBD Total per 1g 68.4 mg/1g
CBDV per 1g [†]	0.179		mg/1g		THC-Total per 1g <LOQ
(Reported in milligrams per serving)					



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Received: 12/29/21 14:35



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

Product identity: FORM-DL20-CAP.ENY25

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-015088-0001

Evidence of Cooling: No

Temp: 12.4 °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: 2111563 Analyze: 12/31/21 10:20:00 A					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g [†]	< LOQ		mg/1g	0.0319	
CBC-A per 1g [†]	< LOQ		mg/1g	0.0319	
CBC-Total per 1g [†]	< LOQ		mg/1g	0.0599	
CBD per 1g	68.4		mg/1g	0.319	
CBD-A per 1g	< LOQ		mg/1g	0.0319	
CBD-Total per 1g	68.4		mg/1g	0.347	
CBDV per 1g [†]	0.179		mg/1g	0.0319	
CBDV-A per 1g [†]	< LOQ		mg/1g	0.0319	
CBDV-Total per 1g [†]	0.179		mg/1g	0.0596	
CBE per 1g [†]	< LOQ		mg/1g	0.0319	
CBG per 1g [†]	< LOQ		mg/1g	0.0319	
CBG-A per 1g [†]	< LOQ		mg/1g	0.0319	
CBG-Total per 1g [†]	< LOQ		mg/1g	0.0596	
CBL per 1g [†]	< LOQ		mg/1g	0.0319	
CBL-A per 1g [†]	< LOQ		mg/1g	0.0319	
CBL-Total per 1g [†]	< LOQ		mg/1g	0.0599	
CBN per 1g	< LOQ		mg/1g	0.0319	
CBT per 1g [†]	< LOQ		mg/1g	0.0319	
Δ8-THCV per 1g [†]	< LOQ		mg/1g	0.0319	
Δ8-THC per 1g [†]	< LOQ		mg/1g	0.0319	
Δ9-THC per 1g	< LOQ		mg/1g	0.0319	
exo-THC per 1g [†]	< LOQ		mg/1g	0.0319	
THC-A per 1g	< LOQ		mg/1g	0.0319	
THC-Total per 1g	< LOQ		mg/1g	0.0599	
THCV per 1g [†]	< LOQ		mg/1g	0.0319	
THCV-A per 1g [†]	< LOQ		mg/1g	0.0319	
THCV-Total per 1g [†]	< LOQ		mg/1g	0.0599	
Total Cannabinoids per 1g	68.6		mg/1g		



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Received: 12/29/21 14:35

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

mg/1g = Milligram per 1g

% = Percentage of sample

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

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 21-015088/D002.R000
Report Date: 12/31/2021
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35



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:				
[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:			
Field ID	Date/Time Collected													Matrix	Weight	Serving size for edibles	Project Name:
FORM-DL20-CAP.ENY25	12/21 830			X					X	X					<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 Other:		
FORM-DL20-CAP.ENY25	12/21 830																Laz Nat Discount
FORM-DL20-CAP.ENY25	12/21 830	X			X						X						<i>potency first</i>

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input type="checkbox"/> Standard (5 day) <input type="checkbox"/> Rush (3-4 day) (1.5x Standard) <input checked="" type="checkbox"/> Priority Rush (2 day) (2x Standard)	[Redacted]	12/29/2021	2:30	[Redacted]	12/29	18:55	Client Alias: Order Number: Proper Container: Sample Condition: Temperature: 12.4°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
503-254-1794

Report Number: 21-015088/D002.R000
Report Date: 12/31/2021
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35



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: 2111563								
Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.0101	0.01	%	101	85.0 - 115	Acceptable		
CBDV	0.0105	0.01	%	105	85.0 - 115	Acceptable		
CBE	0.0105	0.01	%	105	85.0 - 115	Acceptable		
CBDA	0.0106	0.01	%	106	85.0 - 115	Acceptable		
CBGA	0.0101	0.01	%	101	85.0 - 115	Acceptable		
CBG	0.0105	0.01	%	105	85.0 - 115	Acceptable		
CBD	0.0107	0.01	%	107	85.0 - 115	Acceptable		
THCV	0.0101	0.01	%	101	85.0 - 115	Acceptable		
d8THCV	0.0104	0.01	%	104	85.0 - 115	Acceptable		
THCVA	0.00989	0.01	%	98.9	85.0 - 115	Acceptable		
CBN	0.0107	0.01	%	107	85.0 - 115	Acceptable		
exo-THC	0.00936	0.01	%	93.6	85.0 - 115	Acceptable		
d9THC	0.00993	0.01	%	99.3	85.0 - 115	Acceptable		
d8THC	0.00934	0.01	%	93.4	85.0 - 115	Acceptable		
CBL	0.00869	0.01	%	86.9	85.0 - 115	Acceptable		
CBC	0.00977	0.01	%	97.7	85.0 - 115	Acceptable		
THCA	0.0105	0.01	%	105	85.0 - 115	Acceptable		
CBCA	0.00976	0.01	%	97.6	85.0 - 115	Acceptable		
CBLA	0.00978	0.01	%	97.8	85.0 - 115	Acceptable		
CBT	0.00853	0.01	%	85.3	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: 21-015088/D002.R000
Report Date: 12/31/2021
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

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: 2111563								
Sample Duplicate								
Sample ID: 21-015069-0001								
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	0.0140	0.0135	0.003	%	3.76	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.003	%	NA	< 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	0.00669	0.00648	0.003	%	3.33	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.517	0.500	0.003	%	3.51	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0107	0.0103	0.003	%	3.83	< 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	0.00383	0.00346	0.003	%	10.3	< 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



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



Report Number: 21-015088/D002.R000
Report Date: 12/31/2021
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

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.



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Portland, OR 97230
503-254-1794



Report Number: 21-015088/D005.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

Customer: Etz Hayim Holdings
Product identity: FORM-DL20-CAP.ENY25
Client/Metric ID: .
Laboratory ID: 21-015088-0002

Summary

Microbiology:

Less than LOQ for all analytes.



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



Report Number: 21-015088/D005.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

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

Product identity: FORM-DL20-CAP.ENY25

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-015088-0002

Evidence of Cooling: No

Temp: 12.4 °C

Relinquished by: Client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2200013	01/06/22	AOAC 991.14 (Petrifilm)	X	
Total Coliforms	< LOQ		cfu/g	10	2200013	01/06/22	AOAC 991.14 (Petrifilm)	X	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2200014	01/07/22	AOAC 2014.05 (RAPID)	X	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2200014	01/07/22	AOAC 2014.05 (RAPID)	X	



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Report Number: 21-015088/D005.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

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

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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



Report Number: 21-015088/D005.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35



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:				
[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:			
Field ID	Date/Time Collected													Matrix	Weight	Serving size for edibles	Project Name:
FORM-DL20-CAP.ENY25	12/21 830			X					X	X					<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 Other:		
FORM-DL20-CAP.ENY25	12/21 830																Laz Nat Discount
FORM-DL20-CAP.ENY25	12/21 830	X			X						X						<i>potency first</i>

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input type="checkbox"/> Standard (5 day) <input type="checkbox"/> Rush (3-4 day) (1.5x Standard) <input checked="" type="checkbox"/> Priority Rush (2 day) (2x Standard)	[Redacted]	12/29/2021	2:30	[Redacted]	12/29	18:55	Client Alias: Order Number: Proper Container: Sample Condition: Temperature: 12.4°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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12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794



Report Number: 21-015088/D005.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

Explanation of QC Flag Comments:

Code	Explanation
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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: 21-015088/D004.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

Customer: Etz Hayim Holdings
Product identity: FORM-DL20-CAP.ENY25
Client/Metric ID: .
Laboratory ID: 21-015088-0003

Summary

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.



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

Report Number: 21-015088/D004.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35



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

Product identity: FORM-DL20-CAP.ENY25

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-015088-0003

Evidence of Cooling: No

Temp: 12.4 °C

Relinquished by: Client

Sample Results

Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2200051	Analyze 01/05/22 08:55 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-Dimethyl butane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethyl butane	< 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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Portland, OR 97230
503-254-1794

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Received: 12/29/21 14:35



Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2200120 Analyze 01/07/22 08:07 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0500	2200069	01/05/22	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.200	mg/kg	0.0500	2200069	01/05/22	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.500	mg/kg	0.0500	2200069	01/05/22	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	0.100	mg/kg	0.0250	2200069	01/05/22	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)

% 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 p.503-254-1794

Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: ETZHH INC			Analysis Requested													Purchase Order Number:	
[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:		
															Matrix	Weight	Serving size for edibles
Field ID	Date/Time Collected																Project Name:
FORM-DL20-CAP.ENY25	12/21 8:30				X												<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
FORM-DL20-CAP.ENY25	12/21 8:30								X	X							Other:
FORM-DL20-CAP.ENY25	12/21 8:30	X			X							X					
																	<i>potency first</i>

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input type="checkbox"/> Standard (5 day)	[Redacted]	12/29/2021	2:30	[Redacted]	12/29	18:55	Client Alias: Order Number: Proper Container Sample Condition Temperature: 12.4°C Shipped Via: <i>Client</i> Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							
<input checked="" type="checkbox"/> Priority Rush (2 day) (2x Standard)							

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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Revision Document ID
 Legacy ID Effective

Laboratory Quality Control Results

Residual Solvents				Batch ID 2200051					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		1600	1400	µg/g	114.3	70 - 130	
Isobutane	ND	< 200		2050	1780	µg/g	115.3	70 - 130	
Butane	ND	< 200		2010	1790	µg/g	112.3	70 - 130	
2,2-Dimethylpropane	ND	< 200		2270	2190	µg/g	103.3	70 - 130	
Methanol	ND	< 200		1780	1610	µg/g	110.6	70 - 130	
Ethylene Oxide	ND	< 30		129	141	µg/g	91.9	70 - 130	
2-Methylbutane	ND	< 200		1800	1630	µg/g	110.4	70 - 130	
Pentane	ND	< 200		1760	1610	µg/g	109.3	70 - 130	
Ethanol	ND	< 200		1880	1630	µg/g	115.3	70 - 130	
Ethyl Ether	ND	< 200		1750	1610	µg/g	108.3	70 - 130	
2,2-Dimethylbutane	ND	< 30		170	169	µg/g	103.0	70 - 130	
Acetone	ND	< 200		1760	1610	µg/g	109.3	70 - 130	
2-Propanol	ND	< 200		1670	1610	µg/g	103.3	70 - 130	
Ethyl Formate	ND	< 500		1490	1620	µg/g	92.4	70 - 130	
Acetonitrile	ND	< 100		462	498	µg/g	92.8	70 - 130	
Methyl Acetate	ND	< 500		2130	1810	µg/g	117.3	70 - 130	
2,3-Dimethylbutane	ND	< 30		154	162	µg/g	95.1	70 - 130	
Dichloromethane	ND	< 60		526	498	µg/g	105.6	70 - 130	
2-Methylpentane	ND	< 30		169	167	µg/g	98.8	70 - 130	
MTBE	ND	< 500		1750	1610	µg/g	108.3	70 - 130	
3-Methylpentane	ND	< 30		167	179	µg/g	93.3	70 - 130	
Hexane	ND	< 30		173	164	µg/g	105.9	70 - 130	
1-Propanol	ND	< 500		1830	1620	µg/g	113.0	70 - 130	
Methylethylketone	ND	< 500		1930	1770	µg/g	109.0	70 - 130	
Ethyl acetate	ND	< 200		1720	1620	µg/g	106.2	70 - 130	
2-Butanol	ND	< 200		1710	1600	µg/g	106.9	70 - 130	
Tetrahydrofuran	ND	< 100		550	500	µg/g	110.0	70 - 130	
Cyclohexane	ND	< 200		1750	1610	µg/g	108.3	70 - 130	
2-methyl-1-propanol	ND	< 500		1900	1610	µg/g	118.0	70 - 130	
Benzene	ND	< 1		6.28	5.62	µg/g	111.7	70 - 130	
Isopropyl Acetate	ND	< 200		1710	1610	µg/g	106.2	70 - 130	
Heptane	ND	< 200		1610	1610	µg/g	100.0	70 - 130	
1-Butanol	ND	< 500		1830	1620	µg/g	113.0	70 - 130	
Propyl Acetate	ND	< 500		1860	1620	µg/g	114.8	70 - 130	
1,4-Dioxane	ND	< 100		533	500	µg/g	106.3	70 - 130	
2-Ethoxyethanol	ND	< 30		192	164	µg/g	117.1	70 - 130	
Methyl isobutylketone	ND	< 500		1790	1620	µg/g	110.9	70 - 130	
3-Methyl-1-butanol	ND	< 500		1770	1620	µg/g	109.3	70 - 130	
Ethylene Glycol	ND	< 200		446	500	µg/g	88.8	70 - 130	
Toluene	ND	< 200		438	488	µg/g	89.8	70 - 130	
Isobutyl Acetate	ND	< 500		1910	1700	µg/g	112.4	70 - 130	
1-Pentanol	ND	< 500		1790	1630	µg/g	109.8	70 - 130	
Butyl Acetate	ND	< 500		1890	1660	µg/g	113.9	70 - 130	
Ethyl benzene	ND	< 200		861	969	µg/g	89.2	70 - 130	
m,p-Xylene	ND	< 200		931	990	µg/g	94.0	70 - 130	
o-Xylene	ND	< 200		900	971	µg/g	92.7	70 - 130	
Cumene	ND	< 30		151	179	µg/g	84.4	70 - 130	
Anisole	ND	< 500		1740	1650	µg/g	105.3	70 - 130	
DMSO	ND	< 500		1820	1630	µg/g	111.3	70 - 130	
1,2-dimethoxyethane	ND	< 50		209	183	µg/g	114.2	70 - 130	
Triethylamine	ND	< 500		1740	1620	µg/g	107.4	70 - 130	
N,N-dimethylformamide	ND	< 150		533	499	µg/g	107.7	70 - 130	
N,N-dimethylacetamide	ND	< 150		599	500	µg/g	118.4	70 - 130	
Pyridine	ND	< 50		199	188	µg/g	107.4	70 - 130	



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QC - Sample Duplicate Sample ID 21-015041-0005

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	
MTE	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Methyl ethyl ketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100 µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Methyl isobutyl ketone	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	200 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	
Bnfl 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	

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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Report Number: 21-015088/D004.R000
Report Date: 01/10/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/29/21 14:35

Revision: 2 Document ID: 3120
 LegacyID: CFLC21E fective:

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg		Laboratory Control Sample		Batch ID: 2200120	
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits
Method blank	0.015	< 0.250		0.955	1.000	95.5	69.7 - 129
Accephate	0.131	< 1.000		5.442	4.000	136.1	67.8 - 126
Acetaminophen	0.000	< 0.100		0.431	0.400	107.7	73.4 - 136
Aldicarb	0.000	< 0.200		0.912	0.800	114.0	88.7 - 165
Abamectin	0.000	< 0.250		1.179	1.000	117.9	75.9 - 141
Azoxystrobin	0.000	< 0.100		0.467	0.400	116.6	72.1 - 134
Bifenazate	0.000	< 0.100		0.472	0.400	118.0	74.3 - 138
Bifenthrin	0.000	< 0.100		0.470	0.400	117.6	70.8 - 131
Boscalid	0.000	< 0.200		0.914	0.800	114.2	73.6 - 137
Carbaryl	0.000	< 0.100		0.443	0.400	110.7	73.9 - 137
Carbofuran	0.000	< 0.100		0.414	0.400	103.6	74.1 - 138
Chlorantraniliprol	0.000	< 0.100		0.454	0.400	113.6	81.5 - 151
Chlorfenapyr	0.153	< 0.500		2.720	2.000	136.0	74.8 - 139
Chlorpyrifos	0.024	< 0.100		0.428	0.400	106.9	72.1 - 134
Oofentazine	0.000	< 0.100		0.360	0.400	90.0	42.7 - 79.3
Ofluthrin	0.000	< 0.500		2.212	2.000	110.6	77.5 - 144
Opemethrin	0.000	< 0.500		2.311	2.000	115.6	75.2 - 140
Daminozide	0.000	< 0.500		0.577	2.000	28.8	26.2 - 48.7
Diazinon	0.000	< 0.100		0.438	0.400	109.4	75.6 - 140
Dichlorvos	0.000	< 0.500		2.194	2.000	109.7	79.8 - 148
Dimethoat	0.000	< 0.100		0.438	0.400	109.5	72.9 - 135
Ethoprophos	0.000	< 0.100		0.457	0.400	114.4	73.8 - 137
Etofenprox	0.000	< 0.200		0.925	0.800	115.6	72.6 - 135
Etoxazol	0.000	< 0.100		0.487	0.400	121.9	82.9 - 154
Fenoxycarb	0.000	< 0.100		0.457	0.400	114.2	72.1 - 134
Fenpyroximat	0.000	< 0.200		0.928	0.800	116.0	72.7 - 135
Fipronil	0.000	< 0.200		0.923	0.800	115.4	73.6 - 137
Fonicamid	0.000	< 0.250		1.079	1.000	107.9	76.9 - 143
Fludioxonil	0.000	< 0.200		0.772	0.800	96.5	75.1 - 139
Hexythiazox	0.000	< 0.250		1.158	1.000	115.8	70.2 - 130
Imaza il	0.047	< 0.100		0.458	0.400	114.5	71.1 - 132
Imidacoprid	0.000	< 0.200		0.899	0.800	112.3	73.7 - 137
Kresoxim-Methyl	0.000	< 0.200		0.934	0.800	116.8	72.9 - 135
Malathion	0.018	< 0.100		0.442	0.400	110.4	73.7 - 137
Metaxalyl	0.000	< 0.100		0.442	0.400	110.5	73.3 - 136
Methiocarb	0.000	< 0.100		0.436	0.400	108.9	74.1 - 138
Methomyl	0.000	< 0.200		0.798	0.800	99.8	71.0 - 132
MGK 264	0.000	< 0.100		0.458	0.400	114.4	75.7 - 141
Myclobutanil	0.000	< 0.100		0.475	0.400	118.7	72.3 - 134
Naled	0.000	< 0.250		1.064	1.000	106.4	39.8 - 73.9
Oxaryl	0.000	< 0.500		2.045	2.000	102.3	71.9 - 134
Padobutrazol	0.000	< 0.200		0.886	0.800	110.8	72.5 - 135
Parathion Methyl	0.000	< 0.200		0.746	0.800	93.2	71.9 - 133
Permethrin	0.000	< 0.100		0.472	0.400	118.0	74.1 - 138
Phosmet	0.000	< 0.100		0.450	0.400	112.5	72.6 - 135
Piperonyl butoxide	0.038	< 0.500		2.189	2.000	109.4	74.6 - 139
Prallethrin	0.000	< 0.100		0.443	0.400	110.8	71.4 - 133
Propiconazole	0.008	< 0.200		0.914	0.800	114.3	74.1 - 138
Propoxur	0.000	< 0.100		0.442	0.400	110.5	72.9 - 135
Pyrethrins	0.000	< 0.100		0.446	0.413	108.0	65.6 - 122
Pyridaben	0.000	< 0.100		0.447	0.400	111.7	73.7 - 137
Spinosad	0.000	< 0.100		0.475	0.388	122.4	75.7 - 141
Spiromesfen	0.002	< 0.100		0.483	0.400	120.6	74.6 - 139
Spirotetramet	0.000	< 0.100		0.465	0.400	116.2	71.8 - 133
Spiroxamine	0.000	< 0.200		0.860	0.800	107.6	72.1 - 134
Tebuconazol	0.000	< 0.200		0.899	0.800	112.4	72.3 - 134
Thiadoprid	0.000	< 0.100		0.450	0.400	112.6	72.7 - 135
Thiamethoxam	0.000	< 0.100		0.440	0.400	110.1	72.4 - 134
Trifloxystrobin	0.000	< 0.100		0.474	0.400	118.4	73.5 - 136



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Revision: 2 Document ID: 3120
LegacyID: CFLC2IE fective:

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg					BatchID: 2200120			
Matrix Spike/ Matrix Spike Duplicate Recoveries		Sample ID: 21-015088-0003								
Analyte	Result	MSRes	MSD Res	Spike	RFD%	Limit	MS%Rec	MSD %Rec	Limits	Notes
Acephate	0.020	0.837	0.827	1.000	1.2%	< 30	81.7%	80.7%	50 - 150	
Acetaminophen	0.000	13.567	13.645	4.000	0.6%	< 30	339.2%	341.1%	50 - 150	Q1
Acetamiprid	0.000	0.460	0.458	0.400	0.3%	< 30	115.0%	114.6%	50 - 150	
Aldicarb	0.000	0.971	0.866	0.800	11.4%	< 30	121.3%	108.2%	50 - 150	
Abamectin	0.000	1.262	1.289	1.000	2.1%	< 30	126.2%	128.9%	50 - 150	
Azoxystrobin	0.000	0.582	0.605	0.400	3.8%	< 30	145.6%	151.2%	50 - 150	Q1
Bifenazate	0.000	0.537	0.562	0.400	4.5%	< 30	134.3%	140.4%	50 - 150	
Bifenthrin	0.000	1.240	1.302	0.400	4.9%	< 30	309.9%	325.5%	50 - 150	Q1
Boscalid	0.000	1.119	1.111	0.800	0.7%	< 30	139.9%	138.9%	50 - 150	
Carbaryl	0.000	0.446	0.442	0.400	0.8%	< 30	111.4%	110.4%	50 - 150	
Carbofuran	0.000	0.631	0.608	0.400	3.7%	< 30	157.7%	152.0%	50 - 150	Q1
Chlorantraniliprol	0.000	0.407	0.389	0.400	4.4%	< 30	101.8%	97.4%	50 - 150	
Chlorfenapyr	0.000	5.277	5.465	2.000	3.5%	< 30	263.9%	273.3%	50 - 150	Q1
Chlorpyrifos	0.014	0.355	0.360	0.400	1.5%	< 30	85.2%	86.5%	50 - 150	
Clofentezine	0.000	0.395	0.386	0.400	2.3%	< 30	98.7%	96.5%	50 - 150	
Cyfluthrin	0.000	4.841	4.179	2.000	14.7%	< 30	242.1%	209.0%	30 - 150	Q1
Cypermethrin	0.000	5.532	5.300	2.000	4.3%	< 30	276.6%	265.0%	50 - 150	Q1
Daminozide	0.000	0.058	0.073	2.000	23.1%	< 30	2.9%	3.6%	30 - 150	Q
Diazinon	0.000	0.512	0.493	0.400	3.8%	< 30	128.0%	123.2%	50 - 150	
Dichlorvos	0.000	2.569	2.524	2.000	1.8%	< 30	128.5%	126.2%	50 - 150	
Dimethoat	0.000	0.493	0.477	0.400	3.2%	< 30	123.1%	119.2%	50 - 150	
Ethoprophos	0.000	0.534	0.540	0.400	1.2%	< 30	133.4%	136.0%	50 - 150	
Etofenprox	0.000	4.730	3.522	0.800	29.3%	< 30	591.3%	440.3%	50 - 150	Q1
Etoxazol	0.000	0.668	0.639	0.400	4.4%	< 30	166.9%	159.8%	50 - 150	Q1
Fenoxycarb	0.000	0.562	0.664	0.400	16.7%	< 30	140.5%	166.0%	50 - 150	Q1
Fenpyroximat	0.000	1.573	1.582	0.800	0.6%	< 30	196.6%	197.7%	50 - 150	Q1
Fipronil	0.000	1.508	1.437	0.800	4.8%	< 30	188.5%	179.6%	50 - 150	Q1
Fonicamid	0.000	0.216	0.214	1.000	0.9%	< 30	21.6%	21.4%	50 - 150	Q
Fludioxonil	0.000	0.791	0.665	0.800	17.3%	< 30	98.6%	83.1%	50 - 150	
Hexythiazox	0.000	2.350	2.420	1.000	2.9%	< 30	235.0%	242.0%	50 - 150	Q1
Imazalil	0.000	0.436	0.437	0.400	0.2%	< 30	109.0%	109.2%	50 - 150	
Imidacloprid	0.000	0.623	0.634	0.800	1.8%	< 30	77.8%	79.2%	50 - 150	
Kresoxim-Methyl	0.000	1.423	1.524	0.800	6.8%	< 30	177.9%	190.5%	50 - 150	Q1
Malathion	0.000	0.564	0.568	0.400	0.6%	< 30	141.0%	141.9%	50 - 150	
Metaxalyl	0.000	0.460	0.466	0.400	1.2%	< 30	115.1%	116.5%	50 - 150	
Methiocarb	0.000	0.482	0.449	0.400	7.1%	< 30	120.5%	112.2%	50 - 150	
Methomyl	0.000	0.437	0.486	0.800	10.6%	< 30	54.6%	60.8%	50 - 150	
MGK 264	0.000	0.534	0.549	0.400	2.7%	< 30	133.6%	137.2%	50 - 150	
Mydobutani	0.000	0.488	0.478	0.400	2.0%	< 30	121.9%	119.5%	50 - 150	
Naled	0.000	1.271	1.242	1.000	2.3%	< 30	127.1%	124.2%	50 - 150	
Oxamyl	0.000	2.090	2.334	2.000	11.0%	< 30	104.5%	116.7%	50 - 150	
Padobutrazol	0.000	1.042	1.030	0.800	1.1%	< 30	130.3%	128.8%	50 - 150	
Parathion Methyl	0.000	1.095	1.087	0.800	0.7%	< 30	136.9%	135.9%	30 - 150	
Permethrin	0.000	0.959	0.822	0.400	15.4%	< 30	239.7%	205.5%	50 - 150	Q1
Phosmet	0.000	0.550	0.532	0.400	3.3%	< 30	137.5%	133.0%	50 - 150	
Piperonyl butoxide	0.000	3.058	2.848	2.000	7.1%	< 30	152.9%	142.4%	50 - 150	Q1
Prallethrin	0.000	0.486	0.459	0.400	5.6%	< 30	121.4%	114.8%	50 - 150	
Propiconazole	0.000	1.342	1.322	0.800	1.5%	< 30	167.7%	165.3%	50 - 150	Q1
Propoxur	0.000	0.534	0.513	0.400	4.0%	< 30	133.6%	128.3%	50 - 150	
Pyrethrins	0.031	0.492	0.488	0.413	0.8%	< 30	111.6%	110.7%	50 - 150	
Pyridaben	0.000	0.616	0.747	0.400	19.3%	< 30	154.0%	186.9%	50 - 150	Q1
Spinosad	0.000	0.693	0.692	0.388	0.0%	< 30	178.5%	178.5%	50 - 150	Q1
Spiromesfen	0.000	0.482	0.494	0.400	2.4%	< 30	120.6%	123.5%	50 - 150	
Spirotetramet	0.000	0.447	0.452	0.400	0.9%	< 30	111.8%	112.9%	50 - 150	
Sproxamine	0.000	0.915	0.912	0.800	0.3%	< 30	114.4%	114.0%	50 - 150	
Tebuconazol	0.000	1.198	1.196	0.800	0.2%	< 30	149.8%	149.6%	50 - 150	
Thiadoprid	0.000	0.462	0.465	0.400	0.5%	< 30	115.6%	116.2%	50 - 150	
Thiamethoxam	0.000	0.094	0.104	0.400	10.3%	< 30	23.4%	26.0%	50 - 150	Q
Trifloxystrobin	0.000	0.850	0.846	0.400	0.4%	< 30	212.4%	211.6%	50 - 150	Q1



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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.