

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>BULK SKU</b> ISO.CBG	<b>BATCH #</b> EE10-LF44	<b>LOQ:</b> Limit Of Quantitation <b>LOD:</b> Limit Of Detection  1 g = 10 <sup>-3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg 1 mg/kg = 1 ppm = 1000 ppb
<b>PRODUCT NAME</b> CBG Isolate - Bulk	<b>SERVING SIZE</b> 0.1 g	
<b>LABORATORY:</b> Columbia Laboratories	<b>OREGON ACCREDITATION:</b> OR100028	

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Total THC (d9-THC, THCA)	<LOQ mg/serving	<LOQ mg/g	<LOQ %
Cannabigerol (CBG)	93.7 mg/serving	937 mg/g	93.7 %
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 <sup>[1]</sup>
Cadmium	<LOQ µg/serving	<LOQ µg/g	4.1 µg/day <sup>[1]</sup>
Lead	<LOQ µg/serving	<LOQ µg/g	3.5 µg/day <sup>[2]</sup>
Mercury	<LOQ µg/serving	<LOQ µg/g	2 µg/day <sup>[1]</sup>

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

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:** 22-006654/D002.R000  
**Report Date:** 06/15/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/08/22 11:56

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-EE10-LF44-CBG  
**Client/Metric ID:** .  
**Laboratory ID:** 22-006654-0001

### Summary

**Potency:**

Analyte	Result (%)		
CBG <sup>†</sup>	93.7		CBD-Total <LOQ
			THC-Total <LOQ
			(Reported in percent of total sample)

**Residual Solvents:**

*All analytes passing and less than LOQ.*



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**Purchase Order:**  
**Received:** 06/08/22 11:56

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

**Product identity:** FORM-EE10-LF44-CBG

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-006654-0001

**Evidence of Cooling:** No

**Temp:** 22.2 °C

**Relinquished by:** UPS

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2205035	Analyze: 6/10/22 9:03:00 PM
Analyte	As Received	Dry weight	LOQ	Notes		● CBG
CBC	< LOQ		0.0674			
CBC-A†	< LOQ		0.0674			
CBC-Total†	< LOQ		0.126			
CBD	< LOQ		0.0674			
CBD-A	< LOQ		0.0674			
CBD-Total	< LOQ		0.126			
CBDV†	< LOQ		0.0674			
CBDV-A†	< LOQ		0.0674			
CBDV-Total†	< LOQ		0.126			
CBE†	< LOQ		0.0674			
CBG†	93.7		0.674			
CBG-A†	< LOQ		0.0674			
CBG-Total	93.7		0.732			
CBL†	< LOQ		0.0674			
CBL-A†	< LOQ		0.0674			
CBL-Total†	< LOQ		0.126			
CBN	< LOQ		0.0674			
CBT†	< LOQ		0.0674			
Δ8-THC	< LOQ		0.0674			
Δ8-THCV	< LOQ		0.0674			
Δ9-THC	< LOQ		0.0674			
exo-THC	< LOQ		0.0674			
THC-A	< LOQ		0.0674			
THC-Total	< LOQ		0.126			
THCV†	< LOQ		0.0674			
THCV-A†	< LOQ		0.0674			
THCV-Total†	< LOQ		0.126			
<b>Total Cannabinoids†</b>	<b>93.7</b>					



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Solvents		Method Residual Solvents by GC/MS				Units µg/g	Batch 2205109	Analyze 06/15/22 10:25 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 <sup>i</sup>	< 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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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

% = Percentage of sample

% wt = µg/g divided by 10,000

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

Field ID		Date/Time Collected	Pesticides - DR 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-EE104LF44-CRG-repurge		06.06.22			1	1									isolate			

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:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)							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: 22.2°C
							Shipped Via: UPS
							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  
[www.pixislabs.com](http://www.pixislabs.com)  
Page 1 of 2

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.  
Testing in accordance with: OAR 333-007-0410 OAR 333-007-0430



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Document ID: 3177 Revision: 3  
 Effective: 04/26/2022  
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**PACKAGE RECEIVING FORM**

Delivery Date:  6/8/22  Same as Opened By Date  Unsure

How was the package delivered?

UPS  FEDEX  USPS  DHL  OTHER: \_\_\_\_\_  
 Tracking Number: 1Z 301 E88 02 9411 8035

		CIRCLE ONE	
1) Was package sealed with no evidence of holes/tampering?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
Further custody seal/tampering notes: _____			
2) Was packing material used?		YES	<input checked="" type="radio"/> NO
If YES: <input type="checkbox"/> PEANUTS <input type="checkbox"/> BUBBLE <input type="checkbox"/> WRAP <input type="checkbox"/> FOAM PAPER			
3) Was a Complete Chain of Custody (COC) received?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
Comment (PT?, Email?): _____			
4) Sample temperature upon arrival?		22.2 °C	
5) Evidence of cooling?		YES	<input checked="" type="radio"/> NO
If YES, What kind? <input type="checkbox"/> ICE <input type="checkbox"/> FREEZER PACK <input type="checkbox"/> DRY ICE			
Insulation? <input type="checkbox"/> PLASTIC COOLER <input type="checkbox"/> STYROFOAM <input type="checkbox"/> OTHER: _____			
6) Were sample containers sealed in separate plastic bags/secondary containment?		YES	<input checked="" type="radio"/> NO
7) Did sample containers arrive in good condition?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
If NO: <input type="checkbox"/> LEAKED <input type="checkbox"/> BROKEN <input type="checkbox"/> OTHER: _____			
If NO: Suspect contamination of other samples? <input type="checkbox"/> YES <input type="checkbox"/> NO			
8) Sample labels present?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
9) Do sample labels agree with COC?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
If NO, number of sample containers received: _____			

**Sample pre-log location:**

R39 R44 F44 R99  CANNA SHELF  FOOD SHELF Other: \_\_\_\_\_

**Other Notes:**

Received By (initials): [REDACTED]



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

Laboratory Quality Control Results

JAOAC2015 V986									
Batch ID: 2205035									
Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDA	1	0.105	0.100	%	105	80 0	- 120	Acceptable	
CBDV	1	0.112	0.100	%	112	80 0	- 120	Acceptable	
CBE	1	0.0993	0.100	%	99.3	80 0	- 120	Acceptable	
CBDA	1	0.103	0.100	%	103	90 0	- 110	Acceptable	
CBGA	1	0.0961	0.100	%	96.1	80 0	- 120	Acceptable	
CBG	1	0.0965	0.100	%	96.5	80 0	- 120	Acceptable	
CB	1	0.102	0.100	%	102	90 0	- 110	Acceptable	
THCV	1	0.0954	0.100	%	95.4	80 0	- 120	Acceptable	
d8THCV	1	0.101	0.100	%	101	80 0	- 120	Acceptable	
THCA	1	0.0975	0.100	%	97.5	80 0	- 120	Acceptable	
CBN	1	0.103	0.100	%	103	90 0	- 110	Acceptable	
exo-THC	1	0.0931	0.100	%	93.1	80 0	- 120	Acceptable	
d9THC	1	0.0936	0.100	%	93.6	90 0	- 110	Acceptable	
d8THC	1	0.0952	0.100	%	95.2	80 0	- 120	Acceptable	
CB	1	0.0906	0.100	%	90.6	80 0	- 120	Acceptable	
9R-HHC	3	0.0963	0.100	%	96.3	80 0	- 120	Acceptable	
CB	1	0.101	0.100	%	101	80 0	- 120	Acceptable	
9S-HHC	3	0.0958	0.100	%	95.8	80 0	- 120	Acceptable	
THCA	1	0.0995	0.100	%	99.5	80 0	- 120	Acceptable	
CBGA	1	0.105	0.100	%	105	90 0	- 110	Acceptable	
CB	1	0.107	0.100	%	107	80 0	- 120	Acceptable	
d8THCO	3	0.0883	0.100	%	88.3	80 0	- 120	Acceptable	
CB	1	0.0904	0.100	%	90.4	80 0	- 120	Acceptable	
d9THCO	3	0.106	0.100	%	106	80 0	- 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	<LOQ	0.077	%	< 0.077	Acceptable	
CBDV	<LOQ	0.077	%	< 0.077	Acceptable	
CBE	<LOQ	0.077	%	< 0.077	Acceptable	
CBDA	<LOQ	0.077	%	< 0.077	Acceptable	
CBGA	<LOQ	0.077	%	< 0.077	Acceptable	
CBG	<LOQ	0.077	%	< 0.077	Acceptable	
CB	<LOQ	0.077	%	< 0.077	Acceptable	
THCV	<LOQ	0.077	%	< 0.077	Acceptable	
d8THCV	<LOQ	0.077	%	< 0.077	Acceptable	
THCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBN	<LOQ	0.077	%	< 0.077	Acceptable	
exo-THC	<LOQ	0.077	%	< 0.077	Acceptable	
d9THC	<LOQ	0.077	%	< 0.077	Acceptable	
d8THC	<LOQ	0.077	%	< 0.077	Acceptable	
CB	<LOQ	0.077	%	< 0.077	Acceptable	
9R-HHC	<LOQ	0.077	%	< 0.077	Acceptable	
CB	<LOQ	0.077	%	< 0.077	Acceptable	
9S-HHC	<LOQ	0.077	%	< 0.077	Acceptable	
THCA	<LOQ	0.077	%	< 0.077	Acceptable	
CBGA	<LOQ	0.077	%	< 0.077	Acceptable	
CB	<LOQ	0.077	%	< 0.077	Acceptable	
d8THCO	<LOQ	0.077	%	< 0.077	Acceptable	
CB	<LOQ	0.077	%	< 0.077	Acceptable	
d9THCO	<LOQ	0.077	%	< 0.077	Acceptable	

Abbreviations

ND - None Detected at or above MRL  
 RPD - Relative Percent Difference





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Laboratory Quality Control Results

LOQ - Limit of Quantitation

**Units of Measure:**

%- Percent



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Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2205035						
Sample Duplicate		Sample ID: 22-006526-0002						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBN	19.1	20.1	0.077	%	5.27	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THC	7.96	8.46	0.077	%	6.12	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9R-HHC	34.1	31.7	0.077	%	7.39	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
9SHHC	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
d8THCO	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	
CBF	0.0929	0.0818	0.077	%	12.7	< 20	Acceptable	
d9THCO	<LOQ	<LOQ	0.077	%	NA	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**



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Revision Document D  
 Legacy D Effective

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2205109					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		551	572	µg/g	96.3	60	120
Isobutane	ND	< 200		713	731	µg/g	97.5	60	120
Butane	ND	< 200		704	731	µg/g	96.3	60	120
2,2 Dimethylpropane	ND	< 200		953	936	µg/g	101.8	60	120
Methanol	ND	< 200		1560	1650	µg/g	94.5	60	120
Ethylene Oxide	ND	< 30		55.5	56.2	µg/g	98.8	60	120
2 Methylbutane	ND	< 200		1550	1620	µg/g	95.7	60	120
Pentane	ND	< 200		1560	1610	µg/g	96.9	60	120
Ethanol	ND	< 200		1540	1620	µg/g	95.1	70	130
Ethyl Ether	ND	< 200		1560	1600	µg/g	97.5	60	120
2,2 Dimethylbutane	ND	< 30		160	167	µg/g	95.8	60	120
Acetone	ND	< 200		1580	1620	µg/g	97.5	60	120
2 Propanol	ND	< 200		1550	1610	µg/g	96.3	60	120
Ethyl Formate	ND	< 500		1780	1620	µg/g	109.9	70	130
Acetonitrile	ND	< 100		611	635	µg/g	96.2	60	120
Methyl Acetate	ND	< 500		1890	1630	µg/g	116.0	70	130
2,3 Dimethylbutane	ND	< 30		157	177	µg/g	88.7	60	120
Dichloromethane	ND	< 60		501	498	µg/g	100.6	60	120
2 Methylpentane	ND	< 30		167	166	µg/g	100.6	60	120
M BE	ND	< 500		1780	1600	µg/g	111.3	70	130
3 Methylpentane	ND	< 30		170	175	µg/g	97.1	60	120
Hexane	ND	< 30		170	174	µg/g	97.7	60	120
1 Propanol	ND	< 500		1830	1620	µg/g	113.0	70	130
Methylethylketone	ND	< 500		1840	1600	µg/g	115.0	70	130
Ethyl acetate	ND	< 200		1540	1610	µg/g	95.7	60	120
2 Butanol	ND	< 200		1560	1620	µg/g	96.3	60	120
tetrahydrofuran	ND	< 100		489	507	µg/g	96.4	60	120
Cyclohexane	ND	< 200		1570	1610	µg/g	97.5	60	120
2 methyl 1 propanol	ND	< 500		1810	1640	µg/g	110.4	70	130
Benzene	ND	< 1		4.9	5.22	µg/g	93.9	60	120
Isopropyl Acetate	ND	< 200		1570	1610	µg/g	97.5	60	120
Heptane	ND	< 200		1590	1610	µg/g	98.8	60	120
1 Butanol	ND	< 500		2030	1610	µg/g	126.1	70	130
Propyl Acetate	ND	< 500		1880	1610	µg/g	116.8	70	130
1,4 Dioxane	ND	< 100		494	508	µg/g	97.2	60	120
2 Ethoxyethanol	ND	< 30		195	165	µg/g	118.2	60	120
Methylisobutylketone	ND	< 500		1840	1610	µg/g	114.3	70	130
3 Methyl 1 butanol	ND	< 500		1900	1600	µg/g	118.8	70	130
Ethylene Glycol	ND	< 200		422	492	µg/g	85.8	60	120
oluene	ND	< 100		487	497	µg/g	98.0	60	120
Isobutyl Acetate	ND	< 500		1900	1610	µg/g	118.0	70	130
1 Pentanol	ND	< 500		1950	1600	µg/g	121.9	70	130
Butyl Acetate	ND	< 500		1890	1610	µg/g	117.4	70	130
Ethylbenzene	ND	< 200		970	980	µg/g	99.0	60	120
m,p Xylene	ND	< 200		974	985	µg/g	98.9	60	120
o Xylene	ND	< 200		952	965	µg/g	98.7	60	120
Cumene	ND	< 30		168	168	µg/g	100.0	60	120
Anisole	ND	< 500		1970	1600	µg/g	123.1	70	130
DMSO	ND	< 500		1830	1610	µg/g	113.7	70	130
1,2 dimethoxyethane	ND	< 50		195	165	µg/g	118.2	70	130
riethylamine	ND	< 500		1590	1620	µg/g	98.1	70	130
N,N dimethylformamide	ND	< 150		572	481	µg/g	118.9	70	130
N,N dimethylacetamide	ND	< 150		545	480	µg/g	113.5	70	130
Pyridine	ND	< 50		208	171	µg/g	121.6	70	130
1,2 Dichloroethane	ND	< 1		1.04	1	µg/g	104.0	70	130
Chloroform	ND	< 1		0.986	1	µg/g	98.6	70	130
richloroethylene	ND	< 1		1.03	1	µg/g	103.0	70	130



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 Portland, OR 97230  
 503-254-1794

**Report Number:** 22-006654/D002.R000  
**Report Date:** 06/15/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/08/22 11:56



Revision Document D  
 Legacy D Effective

QC - Sample Duplicate		Sample ID: 22-006633-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2 Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2 Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2 Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2 Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3 Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2 Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
M BE	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	1320	1410	200	µg/g	6.6	< 20	Acceptable	
1 Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4 Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2 Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3 Methyl 1 butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
oluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1 Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2 dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2 Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
trichloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**

µg/g Microgram per gram or ppm



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Portland, OR 97230  
503-254-1794



**Report Number:** 22-006654/D002.R000  
**Report Date:** 06/15/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/08/22 11:56





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**Report Number:** 22-006654/D002.R000  
**Report Date:** 06/15/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/08/22 11:56

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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**Report Number:** 22-007249/D003.R000  
**Report Date:** 06/24/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/21/22 10:30

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-EE10-LF44-CBG  
**Client/Metric ID:** .  
**Laboratory ID:** 22-007249-0001

### Summary

-----  
**Pesticides:**

*All analytes passing and less than LOQ.*

**Metals:**

*Less than LOQ for all analytes.*

-----



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**Report Number:** 22-007249/D003.R000  
**Report Date:** 06/24/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/21/22 10:30

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

**Product identity:** FORM-EE10-LF44-CBG

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-007249-0001

**Evidence of Cooling:** No

**Temp:** 21.6 °C

**Relinquished by:** UPS

### Sample Results

Pesticides		Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 2205350	Analyze 06/23/22 09:07 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		Etoazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.200	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							





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**Report Number:** 22-007249/D003.R000  
**Report Date:** 06/24/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/21/22 10:30

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0940	2205344	06/22/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0940	2205344	06/22/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0940	2205344	06/22/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0470	2205379	06/23/22	AOAC 2013.06 (mod.)	pass	X



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**Report Number:** 22-007249/D003.R000  
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**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/21/22 10:30

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**

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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**Report Number:** 22-007249/D003.R000  
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**Purchase Order:**  
**Received:** 06/21/22 10:30



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

**Cannabis Chain of Custody Record**

ORELAP ID: OR100028

Analysis Requested												Purchase Order Number:					
												Project Number:					
												Project Name:					
												<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:					
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-EE10-LF44-CBG	06.20.22	1									1			ISOLATE			

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)							Client Alias: Order Number: Proper Container ✓ Sample Condition ✓ Temperature: 21.6 Shipped Via: UPS 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 [www.pixislabs.com](http://www.pixislabs.com) Page 1 of 2  
 Effective 01/31/2019 Revised 01/31/2019

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.  
 Testing in accordance with: OAR 333-007-0400



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Portland, OR 97230  
503-254-1794



**Report Number:** 22-007249/D003.R000  
**Report Date:** 06/24/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/21/22 10:30



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

**PACKAGE RECEIVING FORM**

Delivery Date: X 6-21  Same as Opened By Date  Unsure

How was the package delivered?

UPS  FEDEX  USPS  DHL  OTHER: \_\_\_\_\_

Tracking Number: 1Z 301 E88 02 9021 1480

		<small>CIRCLE ONE</small>	
1) Was package sealed with no evidence of holes/tampering?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
Further custody seal/tampering notes: _____			
2) Was packing material used?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
If YES: <input type="checkbox"/> PEANUTS <input checked="" type="checkbox"/> BUBBLE <input type="checkbox"/> WRAP <input type="checkbox"/> FOAM PAPER			
3) Was a Complete Chain of Custody (COC) received?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
Comment (PT?, Email?): _____			
4) Sample temperature upon arrival?		<u>21.6</u> °C	
5) Evidence of cooling?		<input type="radio"/> YES	<input checked="" type="radio"/> NO
If YES, What kind? <input type="checkbox"/> ICE <input type="checkbox"/> FREEZER PACK <input type="checkbox"/> DRY ICE			
Insulation? <input type="checkbox"/> PLASTIC COOLER <input type="checkbox"/> STYROFOAM <input type="checkbox"/> OTHER: _____			
6) Were sample containers sealed in separate plastic bags/secondary containment?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
7) Did sample containers arrive in good condition?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
If NO: <input type="checkbox"/> LEAKED <input type="checkbox"/> BROKEN <input type="checkbox"/> OTHER: _____			
If NO: Suspect contamination of other samples? <input type="checkbox"/> YES <input type="checkbox"/> NO			
8) Sample labels present?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
9) Do sample labels agree with COC?		<input checked="" type="radio"/> YES	<input type="radio"/> NO
If NO, number of sample containers received: _____			

Sample pre-log location:

R39 R44 F44 R99  CANNA SHELF  FOOD SHELF Other: \_\_\_\_\_

Other Notes:

Received By (initials):





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 Portland, OR 97230  
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**Report Number:** 22-007249/D003.R000  
**Report Date:** 06/24/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 06/21/22 10:30

Revision: 3 Document ID: 3120  
 LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2205350			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spk	LCS% Re	Limits	Notes
Abamectin	0.00	< 0.250		0.917	1.00	91.7	50.0	150
Acephate	0.00	< 0.250		0.908	1.00	90.8	60.0	120
Acetamiprid	0.00	< 1.000		4.617	4.00	115.4	40.0	160
Acetamiprid	0.00	< 0.100		0.370	0.40	92.6	60.0	120
Aldicarb	0.00	< 0.200		0.728	0.80	91.0	60.0	120
Azoxystrobin	0.00	< 0.100		0.368	0.40	92.0	60.0	120
Bifenazate	0.00	< 0.100		0.311	0.40	77.8	60.0	120
Bifenthrin	0.00	< 0.100		0.387	0.40	96.7	50.0	150
Boscalid	0.00	< 0.200		0.763	0.80	95.4	60.0	120
Carbaryl	0.00	< 0.100		0.372	0.40	93.0	60.0	120
Carbendazim	0.00	< 0.100		0.378	0.40	94.5	60.0	120
Chlorantraniliprole	0.00	< 0.100		0.378	0.40	94.4	60.0	120
Chlorfenapyr	0.00	< 0.500		1.921	2.00	96.0	60.0	120
Chlorpyrifos	0.00	< 0.100		0.353	0.40	88.2	60.0	120
Clofentezine	0.00	< 0.100		0.378	0.40	94.5	60.0	120
Cyfluthrin	0.00	< 0.500		1.928	2.00	96.4	50.0	150
Cypermethrin	0.00	< 0.500		1.858	2.00	92.9	50.0	150
Daminozide	0.00	< 0.500		1.917	2.00	95.8	60.0	120
Diazinon	0.00	< 0.100		0.376	0.40	94.0	60.0	120
Dichlorvos	0.00	< 0.500		1.803	2.00	90.2	60.0	120
Dimethoate	0.00	< 0.100		0.384	0.40	96.0	60.0	120
Ethionphos	0.00	< 0.100		0.360	0.40	90.1	60.0	120
Etofenprox	0.00	< 0.200		0.754	0.80	94.2	50.0	150
Etoxazole	0.00	< 0.100		0.379	0.40	94.8	60.0	120
Fenoxycarb	0.00	< 0.100		0.382	0.40	95.4	60.0	120
Fenpyroximate	0.00	< 0.200		0.759	0.80	94.9	60.0	120
Fipronil	0.00	< 0.200		0.782	0.80	97.7	60.0	120
Fonicamid	0.00	< 0.250		1.037	1.00	103.7	60.0	120
Fludioxonil	0.00	< 0.200		0.746	0.80	93.2	50.0	150
Hexythiazox	0.00	< 0.250		0.904	1.00	90.4	60.0	120
Imazalil	0.00	< 0.100		0.353	0.40	88.2	60.0	120
Imidacloprid	0.00	< 0.200		0.788	0.80	98.4	60.0	120
Kiesoxim-methyl	0.00	< 0.200		0.754	0.80	94.3	60.0	120
Malathion	0.00	< 0.100		0.377	0.40	94.1	60.0	120
Metolaxyl	0.00	< 0.100		0.374	0.40	93.5	60.0	120
Methiocarb	0.00	< 0.100		0.371	0.40	92.7	60.0	120
Methomyl	0.00	< 0.200		0.768	0.80	96.0	60.0	120
MCK-264	0.00	< 0.100		0.365	0.40	91.2	50.0	150
Mydobutanol	0.00	< 0.100		0.350	0.40	87.6	60.0	120
Naled	0.00	< 0.250		0.926	1.00	92.6	50.0	150
Oxaryl	0.00	< 0.500		2.209	2.00	110.4	60.0	120
Padobutrazole	0.00	< 0.200		0.755	0.80	94.3	60.0	120
Parathion-Methyl	0.00	< 0.200		0.781	0.80	97.6	50.0	150
Permethrin	0.00	< 0.100		0.378	0.40	94.6	50.0	150
Phosmet	0.00	< 0.100		0.377	0.40	94.1	50.0	150
Piperonyl butoxide	0.00	< 0.500		1.882	2.00	94.1	60.0	120
Prallethrin	0.00	< 0.100		0.361	0.40	90.3	60.0	120
Propiconazole	0.00	< 0.200		0.758	0.80	94.7	60.0	120
Propoxur	0.00	< 0.100		0.371	0.40	92.7	60.0	120
Pyrethrin (Summe)	0.00	< 0.100		0.387	0.413	93.6	60.0	120
Pyridaben	0.00	< 0.100		0.376	0.40	94.1	50.0	150
Spinosad	0.00	< 0.100		0.363	0.388	93.5	50.0	150
Spiromesfen	0.00	< 0.100		0.390	0.40	97.4	60.0	120
Spirotetramat	0.00	< 0.100		0.382	0.40	95.5	60.0	120
Spiroxamine	0.00	< 0.200		0.741	0.80	92.7	60.0	120
Tebuconazole	0.00	< 0.200		0.806	0.80	100.8	60.0	120
Thiadoprid	0.00	< 0.100		0.383	0.40	90.7	60.0	120
Thiamethoxam	0.00	< 0.100		0.478	0.40	119.4	60.0	120
Trifloxystrobin	0.00	< 0.100		0.370	0.40	92.6	60.0	120



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



Report Number: 22-007249/D003.R000  
 Report Date: 06/24/2022  
 ORELAP#: OR100028  
 Purchase Order:  
 Received: 06/21/22 10:30

Revision: 3 Document ID: 3120  
 LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662										Units: mg/Kg		Batch ID: 2205350	
Matrix Spike/Matrix Spike Duplicate Recoveries										Sample ID: 22-0072750001			
Analyte	Result	MS Res	MSD Res	Spike	RFD%	Limit	MS % Re	MSD % Re	Limits	Notes			
Abamectin	0.00	1.012	0.839	1.00	18.7%	< 30	101.2%	83.9%	50 - 150				
Acephate	0.00	0.851	0.836	1.00	1.8%	< 30	85.1%	83.6%	50 - 150				
Acetaminophyl	0.00	3.424	11.121	4.00	105.8%	< 30	85.8%	278.0%	50 - 150	R			
Acetamiprid	0.00	0.360	0.358	0.40	0.5%	< 30	89.9%	89.4%	50 - 150				
Aldicarb	0.00	0.764	0.784	0.80	2.6%	< 30	95.9%	98.0%	50 - 150				
Azoxystrobin	0.00	0.365	0.378	0.40	3.4%	< 30	91.4%	94.5%	50 - 150				
Bifenazate	0.00	0.353	0.347	0.40	1.6%	< 30	88.2%	86.8%	50 - 150				
Bifenthrin	0.00	0.377	0.465	0.40	21.1%	< 30	94.1%	116.3%	50 - 150				
Boscalid	0.00	0.735	0.753	0.80	2.3%	< 30	91.9%	94.1%	50 - 150				
Carbaryl	0.00	0.351	0.362	0.40	3.1%	< 30	87.7%	90.5%	50 - 150				
Carbofuran	0.00	0.362	0.369	0.40	2.1%	< 30	90.8%	92.4%	50 - 150				
Chlorantraniliprole	0.00	0.390	0.389	0.40	0.3%	< 30	97.4%	97.1%	50 - 150				
Chlorfenapyr	0.00	1.395	1.872	2.00	29.2%	< 30	69.8%	93.6%	50 - 150				
Chlorpyrifos	0.00	0.362	0.358	0.40	0.9%	< 30	90.4%	89.6%	50 - 150				
Clofentezine	0.00	0.350	0.338	0.40	3.4%	< 30	87.4%	84.3%	50 - 150				
Cyfluthrin	0.00	1.428	1.350	2.00	5.7%	< 30	71.4%	67.3%	30 - 150				
Cypermethrin	0.00	1.228	1.242	2.00	1.2%	< 30	61.4%	62.1%	50 - 150				
Daminozide	0.00	2.018	2.046	2.00	1.4%	< 30	100.9%	102.3%	30 - 150				
Diazinon	0.00	0.368	0.369	0.40	0.1%	< 30	92.1%	92.2%	50 - 150				
Dichlorvos	0.00	1.782	1.795	2.00	0.8%	< 30	89.1%	89.8%	50 - 150				
Dimethoate	0.00	0.337	0.330	0.40	2.0%	< 30	84.1%	82.4%	50 - 150				
Ethiofoprofos	0.00	0.378	0.377	0.40	0.1%	< 30	94.4%	94.3%	50 - 150				
Etofenprox	0.00	0.767	0.863	0.80	11.7%	< 30	95.3%	107.8%	50 - 150				
Etoxazole	0.00	0.381	0.376	0.40	1.4%	< 30	95.3%	94.0%	50 - 150				
Fenoxycarb	0.00	0.357	0.345	0.40	3.4%	< 30	89.2%	86.2%	50 - 150				
Fenpyroximate	0.00	0.709	0.755	0.80	6.3%	< 30	88.6%	94.4%	50 - 150				
Fipronil	0.00	0.774	0.795	0.80	2.7%	< 30	96.8%	99.4%	50 - 150				
Fonicamid	0.00	0.120	0.109	1.00	9.5%	< 30	12.0%	10.9%	50 - 150	Q			
Fludioxonil	0.00	0.746	0.730	0.80	2.1%	< 30	93.2%	91.3%	50 - 150				
Hexythiazox	0.00	0.920	0.912	1.00	1.0%	< 30	92.0%	91.2%	50 - 150				
Imazail	0.00	0.354	0.353	0.40	0.3%	< 30	88.4%	88.1%	50 - 150				
Imidacloprid	0.00	0.755	0.749	0.80	1.0%	< 30	94.6%	93.6%	50 - 150				
Kiesoxim-methyl	0.00	0.713	0.686	0.80	3.8%	< 30	89.1%	85.6%	50 - 150				
Malathion	0.00	0.353	0.342	0.40	3.4%	< 30	88.3%	85.4%	50 - 150				
Metolaxyl	0.00	0.363	0.361	0.40	0.8%	< 30	90.9%	90.2%	50 - 150				
Methiocarb	0.00	0.370	0.364	0.40	1.5%	< 30	92.3%	91.1%	50 - 150				
Methomyl	0.00	0.210	0.167	0.80	22.6%	< 30	26.2%	20.9%	50 - 150	Q			
MCK-264	0.00	0.387	0.363	0.40	6.4%	< 30	96.7%	90.7%	50 - 150				
Mydobutani	0.00	0.334	0.335	0.40	0.7%	< 30	83.3%	84.1%	50 - 150				
Naled	0.00	0.925	0.940	1.00	1.5%	< 30	92.6%	94.0%	50 - 150				
Oxaryl	0.00	1.528	1.555	2.00	1.8%	< 30	76.4%	77.8%	50 - 150				
Padobutrazole	0.00	0.720	0.705	0.80	1.9%	< 30	90.0%	88.3%	50 - 150				
Parathion-Methyl	0.00	0.745	0.737	0.80	1.1%	< 30	93.1%	92.1%	30 - 150				
Permethrin	0.00	0.355	0.381	0.40	6.8%	< 30	88.9%	95.2%	50 - 150				
Phosmet	0.00	0.359	0.351	0.40	2.2%	< 30	89.7%	87.7%	50 - 150				
Piperonyl butoxide	0.00	1.935	1.885	2.00	2.6%	< 30	96.8%	94.3%	50 - 150				
Prallethrin	0.00	0.368	0.344	0.40	6.8%	< 30	92.0%	86.0%	50 - 150				
Propiconazole	0.00	0.735	0.715	0.80	2.9%	< 30	92.0%	89.4%	50 - 150				
Propoxur	0.00	0.363	0.354	0.40	2.5%	< 30	90.8%	88.6%	50 - 150				
Pyrethrin (Summe)	0.00	0.371	0.360	0.413	3.1%	< 30	89.9%	87.2%	50 - 150				
Pyridaben	0.00	0.389	0.382	0.40	1.9%	< 30	97.4%	95.5%	50 - 150				
Spinosad	0.00	0.399	0.411	0.388	2.9%	< 30	102.9%	106.0%	50 - 150				
Spiromesfen	0.00	0.377	0.375	0.40	0.5%	< 30	94.3%	93.8%	50 - 150				
Spirotetramat	0.00	0.380	0.378	0.40	0.6%	< 30	95.1%	94.3%	50 - 150				
Spiroxamine	0.00	0.727	0.693	0.80	4.7%	< 30	90.9%	86.7%	50 - 150				
Tebuconazole	0.00	0.741	0.729	0.80	1.6%	< 30	92.6%	91.2%	50 - 150				
Thiadoprid	0.00	0.347	0.351	0.40	1.0%	< 30	86.8%	87.6%	50 - 150				
Thiamethoxam	0.00	0.122	0.119	0.40	2.4%	< 30	30.3%	29.7%	50 - 150	Q			
Trifloxystrobin	0.00	0.389	0.389	0.40	0.0%	< 30	97.2%	97.2%	50 - 150				

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0400



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**Received:** 06/21/22 10:30





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.