

## CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

<b>BULK SKU</b>	<b>BATCH #</b>	<b>LOQ: Limit Of Quantitation</b>	
<b>PRODUCT NAME</b>	<b>SERVING SIZE</b>	<b>LOD: Limit Of Detection</b>	
<b>LABORATORY :</b>	<b>OREGON ACCREDITATION: OR100028</b>	1 g = 10 <sup>-3</sup> kg = 10 <sup>3</sup> mg = 10 <sup>6</sup> µg 1 mg/kg = 1 ppm = 1000 ppb	
POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	mg/serving	mg/g	%
Total THC (d9-THC, THCA)	mg/serving	mg/g	%
Cannabigerol (CBG)	mg/serving	mg/g	%
Cannabinol (CBN)	mg/serving	mg/g	%
Cannabichromene (CBC)	mg/serving	mg/g	%
Tetrahydrocannabinolic Acid (THCA)	mg/serving	mg/g	%
Delta-9-THC (d9-THC)	mg/serving	mg/g	%
Delta-8-THC (d8-THC)	mg/serving	mg/g	%
HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	µg/serving	µg/g	10 µg/day <sup>[1]</sup>
Cadmium	µg/serving	µg/g	4.1 µg/day <sup>[1]</sup>
Lead	µg/serving	µg/g	6 µg/day <sup>[1]</sup>
Mercury	µg/serving	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*	µg/g	50,000 mg/day	
Heptane	µg/g	50,000 mg/day	
None of the 34 residual solvents tested found above limit of quantitation in the sample.			
MICROBIAL	PASS/FAIL		
Yeast & Mold	Pass		
Coliform	Pass		



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

\*Ethanol is a food additive used in some of our ingredients. The FDA has labeled ethanol as Generally Recognized as Safe (GRAS). Many foods contain trace amounts of ethanol, including soy sauce, pasta sauces, fruits and juices, etc. Our products contain safe levels of ethanol and always below pertinent regulatory action levels.



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



**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46

**Customer:** Etz Hayim Holdings  
**Product identity:** FORM-CHEW.JNT10.30-FH66  
**Client/Metric ID:** .  
**Laboratory ID:** 23-010300-0004

### Summary

**Potency:**

Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	0.159		mg/1g		CBD-Total per Serving Size 1.93 mg/1g
CBD per 1g	1.93		mg/1g		
CBDV per 1g	0.0375		mg/1g		THC-Total per Serving Size 0.0783 mg/1g
CBG per 1g	0.0714		mg/1g		(Reported in milligrams per serving)
CBT per 1g	0.0509		mg/1g		
Δ9-THC per 1g	0.0783		mg/1g		

**Residual Solvents:**

All analytes passing and less than LOQ.

**Pesticides:**

All analytes passing and less than LOQ.

**Metals:**

Analyte	Result	Units	Limit	Status
Arsenic*	0.101	mg/kg	0.200	pass
Lead*	0.0161	mg/kg	0.500	pass

**Microbiology:**

Less than LOQ for all analytes.



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



**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46

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

**Product identity:** FORM-CHEW.JNT10.30-FH66

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 23-010300-0004

**Evidence of Cooling:** No

**Temp:** client

**Relinquished by:** 23.4

**Serving Size #1:** 1 g

### Sample Results

Potency per 1g	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units mg/se	Batch: 2310563	Analyze: 8/31/23 7:34:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	0.159		mg/1g	0.0323	
CBC-A per 1g	< LOQ		mg/1g	0.0323	
CBC-Total per 1g	0.159		mg/1g	0.0606	
CBD per 1g	1.93		mg/1g	0.0323	
CBD-A per 1g	< LOQ		mg/1g	0.0323	
CBD-Total per 1g	1.93		mg/1g	0.0606	
CBDV per 1g	0.0375		mg/1g	0.0323	
CBDV-A per 1g	< LOQ		mg/1g	0.0323	
CBDV-Total per 1g	< LOQ		mg/1g	0.0602	
CBE per 1g	< LOQ		mg/1g	0.0323	
CBG per 1g	0.0714		mg/1g	0.0323	
CBG-A per 1g	< LOQ		mg/1g	0.0323	
CBG-Total per 1g	0.0714		mg/1g	0.0602	
CBL per 1g	< LOQ		mg/1g	0.0323	
CBL-A per 1g	< LOQ		mg/1g	0.0323	
CBL-Total per 1g	< LOQ		mg/1g	0.0606	
CBN per 1g	< LOQ		mg/1g	0.0323	
CBT per 1g	0.0509		mg/1g	0.0323	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0323	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0323	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0323	
Δ10-THC-Total per 1g	< LOQ		mg/1g	0.0645	
Δ8-THC per 1g	< LOQ		mg/1g	0.0323	
Δ9-THC per 1g	0.0783		mg/1g	0.0323	
delta-9-THCP per 1g	< LOQ		mg/1g	0.0323	
exo-THC per 1g	< LOQ		mg/1g	0.0323	
THC-A per 1g	< LOQ		mg/1g	0.0323	
THC-Total per 1g	0.0783		mg/1g	0.0606	
THCV per 1g	< LOQ		mg/1g	0.0323	
THCV-A per 1g	< LOQ		mg/1g	0.0323	



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



**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46

Potency per 1g						
Analyte	Method: J AOAC 2015 V98-6 (mod) <sup>P</sup>	Result	Limits	Units mg/se	Batch: 2310563	Analyze: 8/31/23 7:34:00 PM
THCV-Total per 1g		< LOQ		mg/1g		0.0606
Total Cannabinoids per 1g		2.33		mg/1g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	100	2310467	09/01/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Total Coliforms	< LOQ		cfu/g	100	2310467	09/01/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	100	2310468	09/01/23 AOAC 2014.05 (RAPID) <sup>P</sup>		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	100	2310468	09/01/23 AOAC 2014.05 (RAPID) <sup>P</sup>		

Solvents											
Method: Residual Solvents by GC/MS <sup>P</sup>						Units µg/g		Batch 2310573		Analyze 09/01/23 12:34 PM	
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	< 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							



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



**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46

Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>											
Units mg/kg Batch 2310519 Analyze 08/31/23 11:57 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>‡</sup>	< LOQ	0.50	0.250	pass		Acephate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>‡</sup>	< LOQ	2.0	1.00	pass		Acetamiprid <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Aldicarb <sup>‡</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>‡</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>‡</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>‡</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>‡</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>‡</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>‡</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>‡</sup>	< LOQ	0.40	0.200	pass		Etoxazole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>‡</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Imazalil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Naled <sup>‡</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>‡</sup>	< LOQ	1.0	0.500	pass		Pacllobutrazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>‡</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>‡</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>‡</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I (total) <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>‡</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>‡</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes	
Arsenic <sup>‡</sup>	0.101	0.200	mg/kg	0.0146	2310604	09/01/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Cadmium <sup>‡</sup>	< LOQ	0.200	mg/kg	0.0146	2310604	09/01/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Lead <sup>‡</sup>	0.0161	0.500	mg/kg	0.0146	2310604	09/01/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		
Mercury <sup>‡</sup>	< LOQ	0.100	mg/kg	0.00732	2310604	09/01/23	AOAC 2013.06 (mod.) <sup>b</sup>	pass		



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



**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46

### 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.

Ⓐ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

### Units of Measure

cfu/g = Colony forming units per gram

g = g

µg/g = Microgram per gram

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

mg/1g = Milligram per 1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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



**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46

Revision: 3 Document ID: 3120  
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg			Batch ID: 2310519			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.927	1.000	92.7	50.0	150
Acephate	0.000	< 0.200		0.658	0.800	82.3	60.0	120
Acequinocyl	0.000	< 1.000		3.367	4.000	84.2	40.0	160
Acetamiprid	0.000	< 0.100		0.436	0.400	108.9	60.0	120
Aldicarb	0.000	< 0.200		0.780	0.800	97.5	60.0	120
Azoxystrobin	0.009	< 0.100		0.360	0.400	90.0	60.0	120
Bifenazate	0.000	< 0.100		0.434	0.400	108.4	60.0	120
Bifenthrin	0.000	< 0.100		0.387	0.400	96.7	50.0	150
Boscalid	0.000	< 0.200		0.986	0.800	123.3	60.0	120
Carbaryl	0.000	< 0.100		0.408	0.400	102.1	60.0	120
Carbofuran	0.000	< 0.100		0.418	0.400	104.6	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.408	0.400	102.1	60.0	120
Chlorfenapyr	0.187	< 0.500		2.188	2.000	109.4	60.0	120
Chlorpyrifos	0.000	< 0.100		0.418	0.400	104.4	60.0	120
Clofentazine	0.000	< 0.100		0.407	0.400	101.8	60.0	120
Cyfluthrin	0.000	< 0.500		1.922	2.000	96.1	50.0	150
Cypermethrin	0.005	< 0.500		2.057	2.000	102.9	50.0	150
Daminozide	0.000	< 0.500		0.655	2.000	32.7	60.0	120
Diazinon	0.000	< 0.100		0.416	0.400	104.1	60.0	120
Dichlorvos	0.000	< 0.500		2.129	2.000	106.4	60.0	120
Dimethoate	0.000	< 0.100		0.396	0.400	99.0	60.0	120
Ethoprophos	0.000	< 0.100		0.387	0.400	96.8	60.0	120
Etofenprox	0.002	< 0.200		0.756	0.800	94.5	50.0	150
Etoxazole	0.000	< 0.100		0.441	0.400	110.1	60.0	120
Fenoxycarb	0.000	< 0.100		0.393	0.400	98.2	60.0	120
Fenpyroximate	0.000	< 0.200		0.824	0.800	103.0	60.0	120
Fipronil	0.000	< 0.200		0.771	0.800	96.4	60.0	120
Fonicamid	0.000	< 0.250		0.940	1.000	94.0	60.0	120
Fludioxonil	0.000	< 0.200		0.792	0.800	99.0	50.0	150
Hexythiazox	0.000	< 0.250		1.028	1.000	102.8	60.0	120
Imazalil	0.000	< 0.100		0.410	0.400	102.6	60.0	120
Imidacloprid	0.000	< 0.200		0.796	0.800	99.5	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.780	0.800	97.5	60.0	120
Malathion	0.000	< 0.100		0.430	0.400	107.6	60.0	120
Metaxalyl	0.000	< 0.100		0.427	0.400	106.7	60.0	120
Methiocarb	0.000	< 0.100		0.401	0.400	100.2	60.0	120
Methomyl	0.000	< 0.200		0.744	0.800	93.0	60.0	120
MGK-264	0.000	< 0.100		0.371	0.400	92.8	50.0	150
Myclobutanil	0.000	< 0.100		0.439	0.400	109.8	60.0	120
Naled	0.000	< 0.250		0.899	1.000	89.9	50.0	150
Oxamyl	0.000	< 0.500		1.912	2.000	95.6	60.0	120
Paclbutrazole	0.000	< 0.200		0.806	0.800	100.8	60.0	120
Parathion-Methyl	0.000	< 0.100		0.409	0.400	102.3	50.0	150
Permethrin	0.000	< 0.100		0.390	0.400	97.5	50.0	150
Phosmet	0.000	< 0.100		0.390	0.400	97.5	50.0	150
Piperonyl butoxide	0.000	< 0.500		2.047	2.000	102.4	60.0	120
Prallethrin	0.000	< 0.100		0.372	0.400	93.0	60.0	120
Propiconazole	0.000	< 0.200		0.798	0.800	99.7	60.0	120
Propoxur	0.000	< 0.100		0.407	0.400	101.7	60.0	120
Pyrethrin (Summe)	0.000	< 0.100		0.493	0.488	101.1	60.0	120
Pyridaben	0.000	< 0.100		0.412	0.400	103.0	50.0	150
Spirosad	0.000	< 0.100		0.350	0.388	90.3	50.0	150
Spiromesifen	0.000	< 0.100		0.375	0.400	93.7	60.0	120
Spirotetramat	0.000	< 0.100		0.410	0.400	102.5	60.0	120
Spiroxamine	0.000	< 0.200		0.702	0.800	87.8	60.0	120
Tebuconazole	0.000	< 0.200		0.703	0.800	87.8	60.0	120
Thiacloprid	0.000	< 0.100		0.421	0.400	105.1	60.0	120
Thiamethoxam	0.000	< 0.100		0.403	0.400	100.8	60.0	120
Trifloxystrobin	0.000	< 0.100		0.401	0.400	100.2	60.0	120



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



Report Number: 23-010300/D002.R000  
Report Date: 09/05/2023  
ORELAP#: OR100028  
Purchase Order: 2615349  
Received: 08/29/23 15:46

Revision: 3 Document ID: 3120  
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID: 2310519				
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 23-009822-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.655	0.708	1.000	7.8%	< 30	65.5%	70.8%	50 - 150	
Acephate	0.006	0.645	0.660	0.800	2.4%	< 30	79.8%	81.7%	50 - 150	
Acetaminophen	0.000	2.299	0.341	4.000	148.3%	< 30	57.5%	8.5%	50 - 150	R, Q
Acetamiprid	0.000	0.466	0.455	0.400	2.2%	< 30	116.4%	113.8%	50 - 150	
Aldicarb	0.000	0.733	0.706	0.800	3.8%	< 30	91.7%	88.3%	50 - 150	
Azoxystrobin	0.009	0.245	0.247	0.400	0.9%	< 30	59.1%	59.6%	50 - 150	
Bifenazate	0.000	0.317	0.325	0.400	2.5%	< 30	79.2%	81.2%	50 - 150	
Bifenthrin	0.000	0.166	0.161	0.400	2.7%	< 30	41.5%	40.4%	50 - 150	Q
Boscalid	0.000	0.564	0.585	0.800	3.5%	< 30	70.6%	73.1%	50 - 150	
Carbaryl	0.000	0.286	0.284	0.400	0.7%	< 30	71.6%	71.1%	50 - 150	
Carbofuran	0.000	0.272	0.280	0.400	3.1%	< 30	67.9%	70.1%	50 - 150	
Chlorantraniliprole	0.000	0.332	0.322	0.400	3.0%	< 30	82.9%	80.4%	50 - 150	
Chlorfenapyr	0.222	1.297	1.414	2.000	10.3%	< 30	53.8%	59.6%	50 - 150	
Chlorpyrifos	0.000	0.293	0.274	0.400	6.6%	< 30	73.2%	68.6%	50 - 150	
Clofentezine	0.000	0.297	0.270	0.400	9.6%	< 30	74.4%	67.6%	50 - 150	
Cyfluthrin	0.000	1.125	0.880	2.000	24.4%	< 30	56.3%	44.0%	30 - 150	
Cypermethrin	0.009	0.867	0.881	2.000	1.7%	< 30	42.9%	43.6%	50 - 150	Q
Daminozide	0.000	0.650	0.636	2.000	2.1%	< 30	32.5%	31.8%	30 - 150	
Diazinon	0.000	0.263	0.302	0.400	13.8%	< 30	65.8%	75.5%	50 - 150	
Dichlorvos	0.000	1.631	1.849	2.000	12.5%	< 30	81.6%	92.5%	50 - 150	
Dimethoate	0.000	0.378	0.364	0.400	4.0%	< 30	94.6%	90.9%	50 - 150	
Ethoprophos	0.000	0.285	0.324	0.400	12.5%	< 30	71.4%	80.9%	50 - 150	
Etofenprox	0.000	0.297	0.287	0.800	3.5%	< 30	37.2%	35.9%	50 - 150	Q
Etoxazole	0.002	0.265	0.288	0.400	8.4%	< 30	65.6%	71.4%	50 - 150	
Fenoxycarb	0.000	0.284	0.309	0.400	8.4%	< 30	71.1%	77.4%	50 - 150	
Fenpyroximate	0.013	0.454	0.448	0.800	1.2%	< 30	55.1%	54.5%	50 - 150	
Fipronil	0.026	0.431	0.513	0.800	18.4%	< 30	50.6%	60.9%	50 - 150	
Fonicamid	0.000	0.990	0.950	1.000	4.2%	< 30	99.0%	95.0%	50 - 150	
Fludioxonil	0.000	1.113	1.187	0.800	6.5%	< 30	139.1%	148.4%	50 - 150	
Hexythiazox	0.000	0.323	0.305	1.000	5.6%	< 30	32.3%	30.5%	50 - 150	Q
Imazalil	0.000	0.307	0.295	0.400	4.0%	< 30	76.7%	73.7%	50 - 150	
Imidacloprid	0.000	0.851	0.797	0.800	6.5%	< 30	106.3%	99.6%	50 - 150	
Kresoxim-methyl	0.000	0.553	0.482	0.800	13.7%	< 30	69.1%	60.2%	50 - 150	
Malathion	0.000	0.231	0.214	0.400	7.4%	< 30	57.7%	53.6%	50 - 150	
Metaxalyl	0.000	0.321	0.364	0.400	12.4%	< 30	80.3%	90.9%	50 - 150	
Methiocarb	0.000	0.296	0.305	0.400	2.8%	< 30	74.1%	76.2%	50 - 150	
Methomyl	0.000	0.708	0.764	0.800	7.6%	< 30	88.5%	95.6%	50 - 150	
MGK-264	0.000	0.255	0.302	0.400	16.9%	< 30	63.8%	75.6%	50 - 150	
Myclobutanil	0.000	0.365	0.367	0.400	0.4%	< 30	91.2%	91.6%	50 - 150	
Naled	0.000	0.611	0.619	1.000	1.4%	< 30	61.1%	61.9%	50 - 150	
Oxamyl	0.000	1.848	1.941	2.000	4.9%	< 30	92.4%	97.1%	50 - 150	
Pacllobutrazole	0.000	0.740	0.777	0.800	4.9%	< 30	92.5%	97.1%	50 - 150	
Parathion-Methyl	0.000	0.366	0.317	0.400	14.4%	< 30	91.6%	79.3%	30 - 150	
Permethrin	0.000	0.224	0.221	0.400	1.6%	< 30	56.0%	55.2%	50 - 150	
Phosmet	0.000	0.361	0.333	0.400	8.2%	< 30	90.4%	83.2%	50 - 150	
Piperonyl butoxide	0.000	1.454	1.483	2.000	1.9%	< 30	72.7%	74.1%	50 - 150	
Prallethrin	0.000	0.147	0.172	0.400	15.2%	< 30	36.9%	42.9%	50 - 150	Q
Propiconazole	0.000	0.628	0.660	0.800	5.1%	< 30	78.5%	82.6%	50 - 150	
Propoxur	0.000	0.336	0.332	0.400	1.2%	< 30	84.1%	83.0%	50 - 150	
Pyrethrin (Summe)	0.004	0.339	0.356	0.488	5.1%	< 30	68.5%	72.1%	50 - 150	
Pyridaben	0.000	0.122	0.127	0.400	3.4%	< 30	30.6%	31.7%	50 - 150	Q
Spinosad	0.000	0.215	0.201	0.388	6.9%	< 30	55.5%	51.8%	50 - 150	
Spiromesifen	0.037	0.244	0.246	0.400	1.0%	< 30	51.8%	52.3%	50 - 150	
Spirotetramat	0.000	0.455	0.480	0.400	5.2%	< 30	113.8%	119.9%	50 - 150	
Spiroxamine	0.000	0.675	0.657	0.800	2.7%	< 30	84.3%	82.1%	50 - 150	
Tebuconazole	0.000	0.671	0.669	0.800	0.3%	< 30	83.9%	83.6%	50 - 150	
Thiacloprid	0.000	0.410	0.383	0.400	6.9%	< 30	102.5%	95.7%	50 - 150	
Thiamethoxam	0.000	0.387	0.421	0.400	8.5%	< 30	96.7%	105.3%	50 - 150	
Trifloxystrobin	0.000	0.216	0.202	0.400	6.9%	< 30	54.1%	50.5%	50 - 150	





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

**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46



Revision: 2 Document ID: 7087  
 Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2310573					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		538	584	µg/g	92.1	60 - 120	
Isobutane	ND	< 200		630	767	µg/g	82.1	60 - 120	
Butane	ND	< 200		639	782	µg/g	81.7	60 - 120	
2,2-Dimethylpropane	ND	< 200		800	939	µg/g	85.2	60 - 120	
Methanol	ND	< 200		1740	1670	µg/g	104.2	60 - 120	
Ethylene Oxide	ND	< 30		51.1	57.1	µg/g	89.5	60 - 120	
2-Methylbutane	ND	< 200		1550	1680	µg/g	92.3	60 - 120	
Pentane	ND	< 200		1540	1670	µg/g	92.2	60 - 120	
Ethanol	ND	< 200		1530	1660	µg/g	92.2	70 - 130	
Ethyl Ether	ND	< 200		1540	1670	µg/g	92.2	60 - 120	
2,2-Dimethylbutane	ND	< 30		175	189	µg/g	92.6	60 - 120	
Acetone	ND	< 200		1570	1670	µg/g	94.0	60 - 120	
2-Propanol	ND	< 200		1520	1630	µg/g	93.3	60 - 120	
Ethyl Formate	ND	< 500		1370	1600	µg/g	85.6	70 - 130	
Acetonitrile	ND	< 100		455	492	µg/g	92.5	60 - 120	
Methyl Acetate	ND	< 500		1450	1600	µg/g	90.6	70 - 130	
2,3-Dimethylbutane	ND	< 30		171	180	µg/g	95.0	60 - 120	
Dichloromethane	ND	< 60		452	488	µg/g	92.6	60 - 120	
2-Methylpentane	ND	< 30		154	182	µg/g	84.6	60 - 120	
MTBE	ND	< 500		1440	1610	µg/g	89.4	70 - 130	
3-Methylpentane	ND	< 30		157	177	µg/g	88.7	60 - 120	
Hexane	ND	< 30		164	177	µg/g	92.7	60 - 120	
1-Propanol	ND	< 500		1450	1600	µg/g	90.6	70 - 130	
Methylethylketone	ND	< 500		1430	1610	µg/g	88.8	70 - 130	
Ethyl acetate	ND	< 200		1480	1630	µg/g	90.8	60 - 120	
2-Butanol	ND	< 200		1460	1630	µg/g	89.6	60 - 120	
Tetrahydrofuran	ND	< 100		456	488	µg/g	93.4	60 - 120	
Cyclohexane	ND	< 200		1440	1610	µg/g	89.4	60 - 120	
2-methyl-1-propanol	ND	< 500		1360	1610	µg/g	84.5	70 - 130	
Benzene	ND	< 1		4.39	4.79	µg/g	91.6	60 - 120	
Isopropyl Acetate	ND	< 200		1490	1650	µg/g	90.3	60 - 120	
Heptane	ND	< 200		1440	1630	µg/g	88.3	60 - 120	
1-Butanol	ND	< 500		1490	1600	µg/g	93.1	70 - 130	
Propyl Acetate	ND	< 500		1370	1600	µg/g	85.6	70 - 130	
1,4-Dioxane	ND	< 100		429	523	µg/g	82.0	60 - 120	
2-Ethoxyethanol	ND	< 30		148	179	µg/g	82.7	60 - 120	
Methylisobutylketone	ND	< 500		1310	1600	µg/g	81.9	70 - 130	
3-Methyl-1-butanol	ND	< 500		1330	1600	µg/g	83.1	70 - 130	
Ethylene Glycol	ND	< 200		394	506	µg/g	77.9	60 - 120	
Toluene	ND	< 100		422	496	µg/g	85.1	60 - 120	
Isobutyl Acetate	ND	< 500		1370	1610	µg/g	85.1	70 - 130	
1-Pentanol	ND	< 500		1470	1600	µg/g	91.9	70 - 130	
Butyl Acetate	ND	< 500		1280	1610	µg/g	79.5	70 - 130	
Ethylbenzene	ND	< 200		752	978	µg/g	76.9	60 - 120	
m,p-Xylene	ND	< 200		756	994	µg/g	76.1	60 - 120	
o-Xylene	ND	< 200		740	982	µg/g	75.4	60 - 120	
Cumene	ND	< 30		120	171	µg/g	70.2	60 - 120	
Anisole	ND	< 500		1200	1600	µg/g	75.0	70 - 130	
DMSO	ND	< 500		1250	1620	µg/g	77.2	70 - 130	
1,2-dimethoxyethane	ND	< 50		161	185	µg/g	86.5	70 - 130	
Triethylamine	ND	< 500		1280	1600	µg/g	80.0	70 - 130	
N,N-dimethylformamide	ND	< 150		394	480	µg/g	82.1	70 - 130	
N,N-dimethylacetamide	ND	< 150		323	483	µg/g	66.9	70 - 130	Q6
Pyridine	ND	< 50		132	168	µg/g	78.6	70 - 130	
Sulfolane	ND	< 50		99.5	161	µg/g	61.8	70 - 130	Q6

QC - Sample Duplicate

Sample ID: 23-009822-0001



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

**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46



Revision: 2 Document ID: 7087  
 Legacy ID: CFL-E33Effective:

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	35.8	36.5	30	µg/g	1.9	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	11	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Sulfolane	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



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



**Report Number:** 23-010300/D002.R000  
**Report Date:** 09/05/2023  
**ORELAP#:** OR100028  
**Purchase Order:** 2615349  
**Received:** 08/29/23 15:46





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.