



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



**Report Number:** 23-014513/D002.R000  
**Report Date:** 12/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 12/12/23 11:50

**Customer:** NW Natural Goods  
**Product identity:** BEV - GF 023341-1  
**Client/Metric ID:** .  
**Laboratory ID:** 23-014513-0001

### Summary

**Potency:**

Analyte per 355ml	Result	Limits	Units	Status	
CBD per 355ml	19.8		mg/355ml		CBD-Total per Serving Size 19.8 mg/355ml
CBE per 355ml	0.467		mg/355ml		
CBG per 355ml	10.9		mg/355ml		THC-Total per Serving Size <LOQ
					(Reported in milligrams per serving)

**Residual Solvents:**

*All analytes passing and less than LOQ.*

**Pesticides:**

*All analytes passing and less than LOQ.*

**Metals:**

*Less than LOQ for all analytes.*

**Microbiology:**

*Less than LOQ for all analytes.*



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**Customer:** NW Natural Goods

**Product identity:** BEV - GF 023341-1

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 23-014513-0001

**Evidence of Cooling:** No

**Temp:** 25 °C

**Serving Size #1:** 362.1 g

**Density:** 1.020 g/ml

## Sample Results

Potency per 355ml	Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units mg/se	Batch: 2313567	Analyze: 12/13/23 5:44:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 355ml	< LOQ		mg/355ml	0.360	
CBC-A per 355ml	< LOQ		mg/355ml	0.360	
CBC-Total per 355ml	< LOQ		mg/355ml	0.676	
CBD per 355ml	19.8		mg/355ml	0.360	
CBD-A per 355ml	< LOQ		mg/355ml	0.360	
CBD-Total per 355ml	19.8		mg/355ml	0.676	
CBDV per 355ml	< LOQ		mg/355ml	0.360	
CBDV-A per 355ml	< LOQ		mg/355ml	0.360	
CBDV-Total per 355ml	< LOQ		mg/355ml	0.672	
CBE per 355ml	0.467		mg/355ml	0.360	
CBG per 355ml	10.9		mg/355ml	0.360	
CBG-A per 355ml	< LOQ		mg/355ml	0.360	
CBG-Total per 355ml	10.9		mg/355ml	0.672	
CBL per 355ml	< LOQ		mg/355ml	0.360	
CBL-A per 355ml	< LOQ		mg/355ml	0.360	
CBL-Total per 355ml	< LOQ		mg/355ml	0.676	
CBN per 355ml	< LOQ		mg/355ml	0.360	
CBT per 355ml	< LOQ		mg/355ml	0.360	
Δ8-THCV per 355ml	< LOQ		mg/355ml	0.360	
Δ10-THC-9R per 355ml	< LOQ		mg/355ml	0.360	
Δ10-THC-9S per 355ml	< LOQ		mg/355ml	0.360	
Δ10-THC-Total per 355ml	< LOQ		mg/355ml	0.720	
Δ8-THC per 355ml	< LOQ		mg/355ml	0.360	
Δ9-THC per 355ml	< LOQ		mg/355ml	0.360	
delta-9-THCP per 355ml	< LOQ		mg/355ml	0.360	
exo-THC per 355ml	< LOQ		mg/355ml	0.360	
THC-A per 355ml	< LOQ		mg/355ml	0.360	
THC-Total per 355ml	< LOQ		mg/355ml	0.676	
THCV per 355ml	< LOQ		mg/355ml	0.360	
THCV-A per 355ml	< LOQ		mg/355ml	0.360	
THCV-Total per 355ml	< LOQ		mg/355ml	0.676	
Total Cannabinoids per 355ml	31.2		mg/355ml		



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2313518	12/15/23 AOAC 990.12 (Petrifilm) <sup>P</sup>		
E.coli	< LOQ		cfu/g	10	2313516	12/15/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Total Coliforms	< LOQ		cfu/g	10	2313516	12/15/23 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2313517	12/16/23 AOAC 2014.05 (RAPID) <sup>P</sup>		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2313517	12/16/23 AOAC 2014.05 (RAPID) <sup>P</sup>		

Solvents Method: Residual Solvents by GC/MS<sup>P</sup> Units µg/g Batch 2313618 Analyze 12/15/23 12:51 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		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>						Units mg/kg	Batch 2313687	Analyze 12/19/23 10:09 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>	< LOQ	0.200	mg/kg	0.00399	2313707	12/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass			
Cadmium <sup>‡</sup>	< LOQ	0.200	mg/kg	0.00399	2313707	12/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass			
Lead <sup>‡</sup>	< LOQ	0.500	mg/kg	0.00399	2313707	12/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass			
Mercury <sup>‡</sup>	< LOQ	0.100	mg/kg	0.00200	2313707	12/18/23 AOAC 2013.06 (mod.) <sup>b</sup>	pass			



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**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B2 <sup>‡</sup>	< LOQ		µg/kg	5.00	2313564	12/14/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin B1 <sup>‡</sup>	< LOQ		µg/kg	5.00	2313564	12/14/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin G1 <sup>‡</sup>	< LOQ		µg/kg	5.00	2313564	12/14/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Aflatoxin G2 <sup>‡</sup>	< LOQ		µg/kg	5.00	2313564	12/14/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>		
Ochratoxin A <sup>‡</sup>	< LOQ	20.0	µg/kg	5.00	2313564	12/14/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>	pass	
Total Aflatoxins <sup>‡</sup>	0.000	20.0	µg/kg	20.0		12/19/23 AOAC 2007.01 & EN 15662 (mod) <sup>‡</sup>	pass	



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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Ⓐ = ISO/IEC 17025:2017 accredited method.

Ⓜ = TNI accredited analyte.

**Units of Measure**

cfu/g = Colony forming units per gram

g = g

g/ml = Gram per milliliter

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/355ml = Milligram per 355ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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**Hemp & Cannabis  
Chain of Custody**

**NW-Natural-Goods-  
1702332026**

ORELAP ID: **OR1000028** ANAB ISO 17025 ID: **ATI508**

<b>Contact Information</b> Company: NW Natural Goods 		<b>Project Details</b> Turnaround Time: <u>5 Business Days (Req. For Micro Testing) Standard</u> Sample Relinquishment Options: <u>Pick-Up Request</u> Compliance: <u>Compliance</u>			<b>Testing</b> H1010 - Potency Cannabis/Elastic - Enhanced Profile H1012 - Mycotoxins Compliance P2120 - Pesticide - OF Compliance H1003 - Heavy Metals Profile (Pb, Cd, Cu, Fe, Ni, Hg) H1008 - Residual Solvents - OF H1010 - Micro Profile D						
#	Sample Name/ Test	Material	Amount Provided	Reporting Unit	Serving Size						
1	BEV - GF 0255ml-1	Beverage	4 units for sale	mg/g & mg/serving	355ml	✓	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
<i>Josh Hood</i>	<i>12/11/2023</i>	<i>14:00</i>		<i>BR</i>	<i>12/12/2023</i>	<i>10:27</i>		<i>No</i>
<i>BR</i>	<i>12/12/2023</i>	<i>11:28</i>	<i>19.0</i>	<i>ndc</i>	<i>12/12/2023</i>	<i>11:50</i>		<i>No</i>

Sample submitted to Columbia Laboratories with testing requirements constitute an agreement for service in accordance with the [current terms of services](#) associated with this COC. By signing this document you are agreeing to these terms.

Columbia Laboratories  
2423 NE Whitaker Way  
Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1412  
[info.columbialaboratories.com](http://info.columbialaboratories.com)

Page 1 of 1  
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Revision: 4 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 0

Laboratory Control Sample										
Analyte	LCS	Result	Spike	Units	% Rec	Limits			Evaluation	Notes
CBDVA	2	0.0010	0.0010	%	99.6	80.0	-	120	Acceptable	
CBDV	2	0.00104	0.00105	%	99.4	80.0	-	120	Acceptable	
CBE	2	0.00108	0.00107	%	101	80.0	-	120	Acceptable	
CBDA	1	0.0009	0.0009	%	100	90.0	-	110	Acceptable	
CBGA	1	0.0010	0.0009	%	101	80.0	-	120	Acceptable	
CBG	1	0.0009	0.0009	%	99.6	80.0	-	120	Acceptable	
CBD	1	0.0010	0.0010	%	100	90.0	-	110	Acceptable	
THCV	2	0.00104	0.00102	%	101	80.0	-	120	Acceptable	
d8THCV	2	0.0009	0.0008	%	103	80.0	-	120	Acceptable	
THCVA	2	0.0010	0.0010	%	99.3	80.0	-	120	Acceptable	
CBN	1	0.00101	0.0010	%	102	80.0	-	120	Acceptable	
exo-THC	2	0.0010	0.0009	%	101	80.0	-	120	Acceptable	
d9THC	1	0.00106	0.00101	%	104	90.0	-	110	Acceptable	
d8THC	1	0.00103	0.00101	%	103	90.0	-	110	Acceptable	
9S-d10THC	1	0.0010	0.0010	%	102	80.0	-	120	Acceptable	
CBL	2	0.0010	0.0010	%	102	80.0	-	120	Acceptable	
9R-d10THC	1	0.0010	0.0010	%	101	80.0	-	120	Acceptable	
CBC	2	0.00107	0.00106	%	101	80.0	-	120	Acceptable	
THCA	1	0.0010	0.0010	%	100.0	90.0	-	110	Acceptable	
CBCA	2	0.00102	0.00103	%	98.8	80.0	-	120	Acceptable	
CBLA	2	0.00102	0.00102	%	99.6	80.0	-	120	Acceptable	
d9THCP	2	0.00101	0.0010	%	101	80.0	-	120	Acceptable	
CBT	2	0.00104	0.00105	%	99.3	80.0	-	120	Acceptable	

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBDV	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBE	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBDA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBGA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBG	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBD	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCV	<LOQ	0.0001	%	< 0.0001	Acceptable	
d8THCV	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCVA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBN	<LOQ	0.0001	%	< 0.0001	Acceptable	
exo-THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
d9THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
d8THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
9S-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBL	<LOQ	0.0001	%	< 0.0001	Acceptable	
9R-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBC	<LOQ	0.0001	%	< 0.0001	Acceptable	
THCA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBCA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBLA	<LOQ	0.0001	%	< 0.0001	Acceptable	
d9THCP	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBT	<LOQ	0.0001	%	< 0.0001	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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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 0						
Sample Duplicate		Sample ID: 23-014489-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDV	0.0001	0.0001	0.0001	%	3.99	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBD	0.0148	0.0151	0.0001	%	1.82	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THC	0.00787	0.00803	0.0001	%	1.97	< 20	Acceptable	
d8THC	0.0001	0.0001	0.0001	%	6.20	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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



Report Number: 23-014513/D002.R000  
 Report Date: 12/19/2023  
 ORELAP#: OR100028  
 Purchase Order:  
 Received: 12/12/23 11:50

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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2313618					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		532	584	µg/g	91.1	60 - 120	
Isobutane	ND	< 200		612	767	µg/g	79.8	60 - 120	
Butane	ND	< 200		619	782	µg/g	79.2	60 - 120	
2,2-Dimethylpropane	ND	< 200		811	939	µg/g	86.4	60 - 120	
Methanol	ND	< 200		1800	1600	µg/g	112.5	60 - 120	
Ethylene Oxide	ND	< 30		47.6	57.1	µg/g	83.4	60 - 120	
2-Methylbutane	ND	< 200		1770	1600	µg/g	110.6	60 - 120	
Pentane	ND	< 200		1720	1600	µg/g	107.5	60 - 120	
Ethanol	ND	< 200		1580	1600	µg/g	98.8	70 - 130	
Ethyl Ether	ND	< 200		1620	1600	µg/g	101.3	60 - 120	
2,2-Dimethylbutane	ND	< 30		165	161	µg/g	102.5	60 - 120	
Acetone	ND	< 200		1740	1600	µg/g	108.8	60 - 120	
2-Propanol	ND	< 200		1720	1600	µg/g	107.5	60 - 120	
Ethyl Formate	ND	< 500		1230	1600	µg/g	76.9	70 - 130	
Acetonitrile	ND	< 100		536	488	µg/g	109.8	60 - 120	
Methyl Acetate	ND	< 500		1500	1610	µg/g	93.2	70 - 130	
2,3-Dimethylbutane	ND	< 30		182	163	µg/g	111.7	60 - 120	
Dichloromethane	ND	< 60		479	488	µg/g	98.2	60 - 120	
2-Methylpentane	ND	< 30		155	161	µg/g	96.3	60 - 120	
MTBE	ND	< 500		1650	1650	µg/g	100.0	70 - 130	
3-Methylpentane	ND	< 30		164	162	µg/g	101.2	60 - 120	
Hexane	ND	< 30		143	161	µg/g	88.8	60 - 120	
1-Propanol	ND	< 500		1650	1620	µg/g	101.9	70 - 130	
Methylethylketone	ND	< 500		1560	1610	µg/g	96.9	70 - 130	
Ethyl acetate	ND	< 200		1740	1610	µg/g	108.1	60 - 120	
2-Butanol	ND	< 200		1670	1610	µg/g	103.7	60 - 120	
Tetrahydrofuran	ND	< 100		470	483	µg/g	97.3	60 - 120	
Cyclohexane	ND	< 200		1550	1600	µg/g	96.9	60 - 120	
2-methyl-1-propanol	ND	< 500		1500	1600	µg/g	93.8	70 - 130	
Benzene	ND	< 1		3.08	4.99	µg/g	61.7	60 - 120	
Isopropyl Acetate	ND	< 200		1720	1600	µg/g	107.5	60 - 120	
Heptane	ND	< 200		1720	1600	µg/g	107.5	60 - 120	
1-Butanol	ND	< 500		1520	1610	µg/g	94.4	70 - 130	
Propyl Acetate	ND	< 500		1560	1610	µg/g	96.9	70 - 130	
1,4-Dioxane	ND	< 100		437	480	µg/g	91.0	60 - 120	
2-Ethoxyethanol	ND	< 30		146	161	µg/g	90.7	60 - 120	
Methylisobutylketone	ND	< 500		1590	1610	µg/g	98.8	70 - 130	
3-Methyl-1-butanol	ND	< 500		1520	1610	µg/g	94.4	70 - 130	
Ethylene Glycol	ND	< 200		340	481	µg/g	70.7	60 - 120	
Toluene	ND	< 100		455	483	µg/g	94.2	60 - 120	
Isobutyl Acetate	ND	< 500		1600	1610	µg/g	99.4	70 - 130	
1-Pentanol	ND	< 500		1550	1610	µg/g	96.3	70 - 130	
Butyl Acetate	ND	< 500		1570	1600	µg/g	98.1	70 - 130	
Ethylbenzene	ND	< 200		923	962	µg/g	95.9	60 - 120	
m,p-Xylene	ND	< 200		919	972	µg/g	94.5	60 - 120	
o-Xylene	ND	< 200		905	965	µg/g	93.8	60 - 120	
Cumene	ND	< 30		156	169	µg/g	92.3	60 - 120	
Anisole	ND	< 500		1440	1600	µg/g	90.0	70 - 130	
DMSO	ND	< 500		1220	1600	µg/g	76.3	70 - 130	
1,2-dimethoxyethane	ND	< 50		164	163	µg/g	100.6	70 - 130	
Triethylamine	ND	< 500		1070	1600	µg/g	66.9	70 - 130	Q6
N,N-dimethylformamide	ND	< 150		425	482	µg/g	88.2	70 - 130	
N,N-dimethylacetamide	ND	< 150		443	483	µg/g	91.7	70 - 130	
Pyridine	ND	< 50		145	161	µg/g	90.1	70 - 130	
Sulfone	ND	< 50		133	163	µg/g	81.6	70 - 130	
1,2-Dichloroethane	ND	< 1		0.941	1	µg/g	94.1	70 - 130	
Chloroform	ND	< 1		0.963	1	µg/g	96.3	70 - 130	
Trichloroethylene	ND	< 1		0.872	1	µg/g	87.2	70 - 130	
1,1-Dichloroethane	ND	< 1		0.894	1	µg/g	89.4	70 - 130	



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



**Report Number:** 23-014513/D002.R000  
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**Purchase Order:**  
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Revision: 2 Document ID: 7087  
 Legacy ID: CFL E33Effective:

QC - Sample Duplicate		Sample ID: 23-014374-0002						
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	
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	
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	
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	
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	
1,1-Dichloroethane	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



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



**Report Number:** 23-014513/D002.R000  
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 Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg			Batch ID: 2313687			
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		0.949	1.000	94.9	50.0 150	
Acephate	0.000	< 0.200		0.695	0.800	86.9	60.0 120	
Acequinocyl	0.067	< 1.000		4.320	4.000	108.0	40.0 160	
Acetamiprid	0.000	< 0.100		0.371	0.400	92.8	60.0 120	
Aldicarb	0.000	< 0.200		0.694	0.800	86.7	60.0 120	
Azoxystrobin	0.000	< 0.100		0.362	0.400	90.6	60.0 120	
Bifenazate	0.000	< 0.100		0.380	0.400	95.1	60.0 120	
Bifenthrin	0.000	< 0.100		0.374	0.400	93.6	50.0 150	
Boscalid	0.000	< 0.200		1.159	0.800	144.9	60.0 120	Q1
Carbaryl	0.000	< 0.100		0.366	0.400	91.4	60.0 120	
Carbofuran	0.000	< 0.100		0.342	0.400	85.5	60.0 120	
Chlorantraniliprole	0.073	< 0.100		0.293	0.400	73.4	60.0 120	
Chlorfenapyr	0.000	< 0.500		1.458	2.000	72.9	60.0 120	
Chlorpyrifos	0.000	< 0.100		0.335	0.400	83.8	60.0 120	
Clofentezine	0.000	< 0.100		0.307	0.400	76.8	60.0 120	
Cyfluthrin	0.000	< 0.500		1.876	2.000	93.8	50.0 150	
Cypermethrin	0.000	< 0.500		1.795	2.000	89.8	50.0 150	
Daminozide	0.000	< 0.500		0.578	2.000	28.9	60.0 120	Q7
Diazinon	0.000	< 0.100		0.376	0.400	94.0	60.0 120	
Dichlorvos	0.000	< 0.500		1.816	2.000	90.8	60.0 120	
Dimethoate	0.000	< 0.100		0.368	0.400	92.0	60.0 120	
Ethoprophos	0.002	< 0.100		0.357	0.400	89.2	60.0 120	
Etofenprox	0.000	< 0.200		0.750	0.800	93.7	50.0 150	
Etoxazole	0.029	< 0.100		0.284	0.400	70.9	60.0 120	
Fenoxycarb	0.000	< 0.100		0.380	0.400	95.0	60.0 120	
Fenpyroximate	0.000	< 0.200		0.731	0.800	91.3	60.0 120	
Fipronil	0.000	< 0.200		0.620	0.800	77.5	60.0 120	
Flonicamid	0.000	< 0.250		1.029	1.000	102.9	60.0 120	
Fludioxonil	0.009	< 0.200		0.830	0.800	103.8	50.0 150	
Hexythiazox	0.000	< 0.250		0.935	1.000	93.5	60.0 120	
Imazalil	0.000	< 0.100		0.375	0.400	93.7	60.0 120	
Imidacloprid	0.000	< 0.200		0.745	0.800	93.1	60.0 120	
Kresoxim-methyl	0.000	< 0.200		0.688	0.800	86.0	60.0 120	
Malathion	0.000	< 0.100		0.345	0.400	86.3	60.0 120	
Metalaxyl	0.000	< 0.100		0.409	0.400	102.2	60.0 120	
Methiocarb	0.015	< 0.100		0.352	0.400	88.1	60.0 120	
Methomyl	0.030	< 0.200		0.753	0.800	94.1	60.0 120	
MGK-264	0.000	< 0.100		0.387	0.400	96.7	50.0 150	
Myclobutanil	0.000	< 0.100		0.390	0.400	97.5	60.0 120	
Naled	0.000	< 0.250		0.887	1.000	88.7	50.0 150	
Oxamyl	0.000	< 0.500		1.833	2.000	91.6	60.0 120	
Paclobutrazole	0.000	< 0.200		0.734	0.800	91.8	60.0 120	
Parathion-Methyl	0.000	< 0.100		0.334	0.400	83.4	50.0 150	
Permethrin	0.000	< 0.100		0.370	0.400	92.5	50.0 150	
Phosmet	0.000	< 0.100		0.400	0.400	99.9	50.0 150	
Piperonyl butoxide	0.000	< 0.500		1.984	2.000	99.2	60.0 120	
Prallethrin	0.000	< 0.100		0.392	0.400	98.1	60.0 120	
Propiconazole	0.004	< 0.200		0.721	0.800	90.1	60.0 120	
Propoxur	0.000	< 0.100		0.362	0.400	90.4	60.0 120	
Pyrethrin (Summe)	0.001	< 0.100		0.463	0.488	94.9	60.0 120	
Pyridaben	0.001	< 0.100		0.373	0.400	93.3	50.0 150	
Spinosad	0.000	< 0.100		0.341	0.388	88.0	50.0 150	
Spiromesifen	0.000	< 0.100		0.371	0.400	92.8	60.0 120	
Spirotetramat	0.000	< 0.100		0.354	0.400	88.5	60.0 120	
Spiroxamine	0.000	< 0.200		0.708	0.800	88.5	60.0 120	
Tebuconazole	0.000	< 0.200		0.748	0.800	93.6	60.0 120	
Thiacloprid	0.000	< 0.100		0.391	0.400	97.9	60.0 120	
Thiamethoxam	0.000	< 0.100		0.393	0.400	98.3	60.0 120	
Trifloxystrobin	0.000	< 0.100		0.353	0.400	88.2	60.0 120	



12423 NE Whitaker Way  
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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: 2313687				
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: S 23-14513-0001					
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	1.107	0.936	1.000	16.8%	< 30	110.7%	93.6%	50 - 150	
Acephate	0.000	0.707	0.702	0.800	0.7%	< 30	88.3%	87.7%	50 - 150	
Acequinocyl	0.000	4.831	4.267	4.000	12.4%	< 30	120.8%	106.7%	50 - 150	
Acetamiprid	0.000	0.401	0.391	0.400	2.6%	< 30	100.3%	97.7%	50 - 150	
Aldicarb	0.000	0.734	0.689	0.800	6.4%	< 30	91.8%	86.1%	50 - 150	
Azoxystrobin	0.000	0.427	0.319	0.400	29.1%	< 30	106.8%	79.6%	50 - 150	
Bifenazate	0.000	0.356	0.384	0.400	7.8%	< 30	88.9%	96.1%	50 - 150	
Bifenthrin	0.000	0.397	0.373	0.400	6.1%	< 30	99.3%	93.4%	50 - 150	
Boscalid	0.000	0.847	0.789	0.800	7.1%	< 30	105.9%	98.6%	50 - 150	
Carbaryl	0.000	0.338	0.342	0.400	1.1%	< 30	84.6%	85.5%	50 - 150	
Carbofuran	0.000	0.371	0.378	0.400	2.0%	< 30	92.6%	94.5%	50 - 150	
Chlorantraniliprole	0.000	0.267	0.288	0.400	7.7%	< 30	66.8%	72.1%	50 - 150	
Chlorfenapyr	0.000	1.621	1.813	2.000	11.2%	< 30	81.1%	90.7%	50 - 150	
Chlorpyrifos	0.000	0.365	0.369	0.400	1.2%	< 30	91.2%	92.3%	50 - 150	
Clofentezine	0.000	0.330	0.340	0.400	3.0%	< 30	82.4%	84.9%	50 - 150	
Cyfluthrin	0.000	2.225	2.188	2.000	1.7%	< 30	111.2%	109.4%	30 - 150	
Cypermethrin	0.000	2.097	1.952	2.000	7.2%	< 30	104.9%	97.6%	50 - 150	
Daminozide	0.000	0.552	0.553	2.000	0.1%	< 30	27.6%	27.6%	30 - 150	q7
Diazinon	0.000	0.381	0.366	0.400	4.2%	< 30	95.4%	91.5%	50 - 150	
Dichlorvos	0.000	1.688	1.774	2.000	5.0%	< 30	84.4%	88.7%	50 - 150	
Dimethoate	0.000	0.350	0.366	0.400	4.5%	< 30	87.5%	91.5%	50 - 150	
Ethoprophos	0.000	0.355	0.347	0.400	2.2%	< 30	88.8%	86.8%	50 - 150	
Etofenprox	0.000	0.798	0.769	0.800	3.6%	< 30	99.7%	96.1%	50 - 150	
Etoxazole	0.000	0.322	0.251	0.400	25.0%	< 30	80.6%	62.7%	50 - 150	
Fenoxycarb	0.000	0.377	0.359	0.400	4.8%	< 30	94.1%	89.7%	50 - 150	
Fenpyroximate	0.000	0.760	0.738	0.800	2.9%	< 30	95.0%	92.3%	50 - 150	
Fipronil	0.000	0.689	0.694	0.800	0.7%	< 30	86.1%	86.7%	50 - 150	
Flonicamid	0.000	0.989	1.036	1.000	4.6%	< 30	98.9%	103.6%	50 - 150	
Fludioxonil	0.000	0.745	0.724	0.800	2.8%	< 30	93.1%	90.5%	50 - 150	
Hexythiazox	0.000	1.293	1.300	1.000	0.5%	< 30	129.3%	130.0%	50 - 150	
Imazalil	0.000	0.355	0.365	0.400	2.9%	< 30	88.7%	91.3%	50 - 150	
Imidacloprid	0.000	0.671	0.746	0.800	10.5%	< 30	83.9%	93.2%	50 - 150	
Kresoxim-methyl	0.000	0.805	0.775	0.800	3.8%	< 30	100.6%	96.8%	50 - 150	
Malathion	0.000	0.352	0.337	0.400	4.6%	< 30	88.1%	84.1%	50 - 150	
Metalaxyl	0.000	0.318	0.357	0.400	11.6%	< 30	79.4%	89.2%	50 - 150	
Methiocarb	0.000	0.335	0.354	0.400	5.7%	< 30	83.7%	88.6%	50 - 150	
Methomyl	0.000	0.736	0.729	0.800	0.9%	< 30	92.0%	91.2%	50 - 150	
MGK-264	0.000	0.392	0.377	0.400	3.8%	< 30	98.0%	94.3%	50 - 150	
Myclobutanil	0.000	0.368	0.362	0.400	1.7%	< 30	92.0%	90.4%	50 - 150	
Naled	0.000	0.854	0.763	1.000	11.3%	< 30	85.4%	76.3%	50 - 150	
Oxamyl	0.000	1.779	1.784	2.000	0.3%	< 30	89.0%	89.2%	50 - 150	
Paclobutrazole	0.000	0.810	0.749	0.800	7.8%	< 30	101.3%	93.6%	50 - 150	
Parathion-Methyl	0.000	0.418	0.347	0.400	18.6%	< 30	104.6%	86.8%	30 - 150	
Permethrin	0.000	0.360	0.353	0.400	1.9%	< 30	89.9%	88.2%	50 - 150	
Phosmet	0.000	0.360	0.334	0.400	7.5%	< 30	90.0%	83.5%	50 - 150	
Piperonyl butoxide	0.000	1.896	1.853	2.000	2.3%	< 30	94.8%	92.7%	50 - 150	
Prallethrin	0.000	0.358	0.402	0.400	11.5%	< 30	89.5%	100.5%	50 - 150	
Propiconazole	0.000	0.704	0.685	0.800	2.7%	< 30	88.0%	85.7%	50 - 150	
Propoxur	0.000	0.364	0.361	0.400	0.9%	< 30	91.1%	90.3%	50 - 150	
Pyrethrin (Summe)	0.000	0.462	0.483	0.488	4.4%	< 30	94.6%	98.9%	50 - 150	
Pyridaben	0.000	0.412	0.433	0.400	5.0%	< 30	102.9%	108.2%	50 - 150	
Spinosad	0.000	0.333	0.328	0.388	1.6%	< 30	85.9%	84.5%	50 - 150	
Spiromesfen	0.000	0.332	0.365	0.400	9.6%	< 30	83.0%	91.4%	50 - 150	
Spirotetramat	0.000	0.344	0.351	0.400	2.1%	< 30	86.0%	87.8%	50 - 150	
Spiroxamine	0.000	0.763	0.733	0.800	4.1%	< 30	95.4%	91.6%	50 - 150	
Tebuconazole	0.000	0.760	0.831	0.800	8.9%	< 30	95.0%	103.9%	50 - 150	
Thiacloprid	0.000	0.365	0.359	0.400	1.7%	< 30	91.3%	89.8%	50 - 150	
Thiamethoxam	0.000	0.397	0.398	0.400	0.2%	< 30	99.2%	99.4%	50 - 150	
Trifloxystrobin	0.000	0.393	0.394	0.400	0.3%	< 30	98.2%	98.5%	50 - 150	



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503-254-1794



**Report Number:** 23-014513/D002.R000  
**Report Date:** 12/19/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 12/12/23 11:50





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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.