



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



**Report Number:** 22-012261/D002.R000  
**Report Date:** 10/18/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/11/22 11:00

**Customer:** NW Natural Goods  
**Product identity:** HEMP- PR 0027  
**Client/Metric ID:** .  
**Laboratory ID:** 22-012261-0001

### Summary

**Potency:**

Analyte per 4g	Result	Limits	Units	Status	
CBC per 4g	0.168		mg/4g		CBD-Total per Serving Size 18.6 mg/4g
CBD per 4g	18.6		mg/4g		
CBG per 4g	10.4		mg/4g		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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**Product identity:** HEMP- PR 0027

**Client/Metric ID:** .

**Sample Date:**

**Laboratory ID:** 22-012261-0001

**Evidence of Cooling:** No

**Temp:** 19.9

**Relinquished by:** ramos

**Serving Size #1:** 4 g

### Sample Results

Potency per 4g					
Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>					
Units mg/se Batch: 2208717 Analyze: 10/12/22 11:03:00 P					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 4g	0.168		mg/4g	0.129	
CBC-A per 4g	< LOQ		mg/4g	0.129	
CBC-Total per 4g	< LOQ		mg/4g	0.242	
CBD per 4g	18.6		mg/4g	0.129	
CBD-A per 4g	< LOQ		mg/4g	0.129	
CBD-Total per 4g	18.6		mg/4g	0.242	
CBDV per 4g	< LOQ		mg/4g	0.129	
CBDV-A per 4g	< LOQ		mg/4g	0.129	
CBDV-Total per 4g	< LOQ		mg/4g	0.240	
CBE per 4g	< LOQ		mg/4g	0.129	
CBG per 4g	10.4		mg/4g	0.129	
CBG-A per 4g	< LOQ		mg/4g	0.129	
CBG-Total per 4g	10.4		mg/4g	0.240	
CBL per 4g	< LOQ		mg/4g	0.129	
CBL-A per 4g	< LOQ		mg/4g	0.129	
CBL-Total per 4g	< LOQ		mg/4g	0.242	
CBN per 4g	< LOQ		mg/4g	0.129	
CBT per 4g	< LOQ		mg/4g	0.129	
Δ8-THCV per 4g	< LOQ		mg/4g	0.129	
Δ10-THC per 4g	< LOQ		mg/4g	0.129	
Δ8-THC per 4g	< LOQ		mg/4g	0.129	
Δ9-THC per 4g	< LOQ		mg/4g	0.129	
exo-THC per 4g	< LOQ		mg/4g	0.129	
THC-A per 4g	< LOQ		mg/4g	0.129	
THC-Total per 4g	< LOQ		mg/4g	0.242	
THCV per 4g	< LOQ		mg/4g	0.129	
THCV-A per 4g	< LOQ		mg/4g	0.129	
THCV-Total per 4g	< LOQ		mg/4g	0.242	
Total Cannabinoids per 4g	29.3		mg/4g		



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**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2208637	10/14/22 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Total Coliforms	< LOQ		cfu/g	10	2208637	10/14/22 AOAC 991.14 (Petrifilm) <sup>P</sup>		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2208638	10/15/22 AOAC 2014.05 (RAPID) <sup>P</sup>		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2208638	10/15/22 AOAC 2014.05 (RAPID) <sup>P</sup>		

**Solvents Method: Residual Solvents by GC/MS<sup>B</sup> Units µg/g Batch 2208815 Analyze 10/17/22 12:33 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 2208818 Analyze 10/17/22 01:18 PM											
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	0.250	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	0.200	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	0.200	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	< LOQ	0.200	mg/kg	0.0164	2208736	10/13/22 AOAC 2013.06 (mod.) <sup>p</sup>	pass			
Cadmium	< LOQ	0.200	mg/kg	0.0164	2208736	10/13/22 AOAC 2013.06 (mod.) <sup>p</sup>	pass			
Lead	< LOQ	0.500	mg/kg	0.0164	2208736	10/13/22 AOAC 2013.06 (mod.) <sup>p</sup>	pass			
Mercury	< LOQ	0.100	mg/kg	0.00821	2208736	10/13/22 AOAC 2013.06 (mod.) <sup>p</sup>	pass			

Nutrition										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes		
Moisture (Loss on Drying)	17.6		g/100g	0.10	2208708	10/12/22 AOAC 925.10 (mod.) <sup>p</sup>				
Water Activity	0.686		Aw	0.030	2208669	10/12/22 AOAC 978.18 <sup>p</sup>				



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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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

\* = TNI accredited analyte.

**Units of Measure**

cfu/g = Colony forming units per gram

g = g

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

mg/4g = Milligram per 4g

% = Percentage of sample

Aw = Water Activity

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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**Hemp & Cannabis: Usable / Extract / Finished Prod**  
**Chain of Custody Record**

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1508

NWNATURALGOODS 22-012261

D: 2832 Revision: 5  
ective: 01/04/2022



<b>Company:</b> Northwest Natural Goods <b>Contact:</b> Annie Nair <b>Address:</b> 11791 SE HWY 212 <b>City:</b> Clackamas <b>State:</b> OR <b>Zip Code:</b> 97015 <input checked="" type="checkbox"/> <b>Email Results:</b> annienair@nwnaturalgoods.com <input type="checkbox"/> Ph: ( ) - <i>Billing Contact (if different)</i> <b>Name:</b> <b>Email:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Ph:</b> ( ) -			<b>Analysis Requested</b> Pesticides - OR 59 Compounds Pesticide Multi-Residue - 379 compounds Potency Residual Solvents Water Activity Moisture Micro: Yeast and Mold Micro: E. Coli and Total Coliform Heavy Metals Mycotoxins								NW Natural Goods <b>Batch ID:</b> <b>Sampled by:</b> <b>Custom Reporting:</b> <b>Source Material:</b> <input type="checkbox"/> - Ind. Hemp product   <input type="checkbox"/> - Rec. Cannabis <b>Reporting Type:</b> <input type="checkbox"/> - Compliance   <input type="checkbox"/> - R&D <b>Report to:</b> <input type="checkbox"/> - METRC   <input type="checkbox"/> - ODA   <input type="checkbox"/> - USDA   <input type="checkbox"/> - Other: <b>Turnaround time (TAT - Business Days):</b> <input checked="" type="checkbox"/> - 5BD   <input type="checkbox"/> - 3BD*   <input type="checkbox"/> - 2BD* <i>*Check for availability</i>				
Lab ID	Client Sample Identification	Sample date	Pesticides - OR 59 Compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Material Type †	Weight (Units)	Comments/Metric ID
	HEMP - PR 0027	10/11/22	✓	✓	✓	✓	✓	✓	✓	✓	✓			80g	
<b>Signature - Relinquished By:</b> Annie Nair 			<b>Date:</b> 10/11/22	<b>Time:</b> 10:12	<b>Signature - Received By:</b> 			<b>Date:</b> 10/11/22	<b>Time:</b> 10:12	<b>Lab Use Only:</b> <input type="checkbox"/> Shipped Via: _____ or <input type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes   <input type="checkbox"/> No - Temp (°C): <u>19.9</u> Sample in good condition: <input type="checkbox"/> Yes   <input type="checkbox"/> No Payment: <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: Prelog storage:					
<b>Signature - Relinquished By:</b> 			<b>Date:</b> 10/11/22	<b>Time:</b> 10:51	<b>Signature - Received By:</b> 			<b>Date:</b> 10/11/22	<b>Time:</b> 11:00						

† - Material Type Codes: Plant Material (P) ; Isolate (I) ; Concentrate/Extract (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) ; Vapor Product (V)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of service](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms  
 12423 NE Whitaker Way  
Portland, OR 97230  
 P: (503) 254-1794 | Fax: (503) 254-1452  
 info@columbiaboratories.com  
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 www.columbiaboratories.com



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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2208717

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0374	0.034	%	109	80.0 - 120	Acceptable	
CBDV	2	0.0393	0.037	%	108	80.0 - 120	Acceptable	
CBE	2	0.0377	0.035	%	108	80.0 - 120	Acceptable	
CBDA	1	0.0320	0.033	%	95.5	90.0 - 110	Acceptable	
CBGA	1	0.0322	0.034	%	96.0	80.0 - 120	Acceptable	
CBG	1	0.0330	0.034	%	96.1	80.0 - 120	Acceptable	
CBD	1	0.0327	0.034	%	95.6	90.0 - 110	Acceptable	
THCV	2	0.0401	0.038	%	107	80.0 - 120	Acceptable	
d8THCV	2	0.0393	0.037	%	107	80.0 - 120	Acceptable	
THCVA	2	0.0362	0.034	%	108	80.0 - 120	Acceptable	
CBN	1	0.0323	0.034	%	96.0	90.0 - 110	Acceptable	
exo-THC	2	0.0359	0.034	%	105	80.0 - 120	Acceptable	
d9THC	1	0.0335	0.035	%	96.9	90.0 - 110	Acceptable	
d8THC	1	0.0335	0.033	%	100	90.0 - 110	Acceptable	
CBL	2	0.0346	0.033	%	105	80.0 - 120	Acceptable	
d10THC	1	0.0297	0.032	%	93.1	80.0 - 120	Acceptable	
CB	2	0.0379	0.036	%	105	80.0 - 120	Acceptable	
THCA	1	0.0326	0.033	%	98.4	90.0 - 110	Acceptable	
CBCA	2	0.0381	0.035	%	108	80.0 - 120	Acceptable	
CBLA	2	0.0198	0.019	%	106	80.0 - 120	Acceptable	
CBT	2	0.0377	0.037	%	101	80.0 - 120	Acceptable	

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDV	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBE	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBDA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBGA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBG	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBD	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
d8THCV	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCVA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBN	<LOQ	0.0006	%	< 0.0006	Acceptable	
exo-THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
d9THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
d8THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBL	<LOQ	0.0006	%	< 0.0006	Acceptable	
d10THC	<LOQ	0.0006	%	< 0.0006	Acceptable	
CB	<LOQ	0.0006	%	< 0.0006	Acceptable	
THCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBCA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBLA	<LOQ	0.0006	%	< 0.0006	Acceptable	
CBT	<LOQ	0.0006	%	< 0.0006	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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Revision: 1 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2208717						
Sample Duplicate		Sample ID: 21-0120020003						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0253	0.0256	0.003	%	1.39	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0041	0.0040	0.003	%	2.08	< 20	Acceptable	
CBD	9.06	9.07	0.003	%	0.166	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	0.0021	0.0021	0.003	%	2.57	< 20	Acceptable	
CBN	0.0014	0.0014	0.003	%	2.84	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0058	0.0059	0.003	%	0.854	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	0.0012	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.0042	0.0044	0.003	%	2.67	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**





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



**Report Number:** 22-012261/D002.R000  
**Report Date:** 10/18/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/11/22 11:00

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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2208815					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		641	572	µg/g	112.1	60 - 120	
Isobutane	ND	< 200		870	731	µg/g	119.0	60 - 120	
Butane	ND	< 200		849	731	µg/g	116.1	60 - 120	
2,2-Dimethylpropane	ND	< 200		1190	936	µg/g	127.1	60 - 120	Q1
Methanol	ND	< 200		1650	1650	µg/g	100.0	60 - 120	
Ethylene Oxide	ND	< 30		62.4	56.2	µg/g	111.0	60 - 120	
2-Methylbutane	ND	< 200		1580	1650	µg/g	95.8	60 - 120	
Pentane	ND	< 200		1600	1650	µg/g	97.0	60 - 120	
Ethanol	ND	< 200		1720	1660	µg/g	103.6	70 - 130	
Ethyl Ether	ND	< 200		1640	1630	µg/g	100.6	60 - 120	
2,2-Dimethylbutane	ND	< 30		180	189	µg/g	95.2	60 - 120	
Acetone	ND	< 200		1630	1650	µg/g	98.8	60 - 120	
2-Propanol	ND	< 200		1880	1650	µg/g	113.9	60 - 120	
Ethyl Formate	ND	< 500		1550	1610	µg/g	96.3	70 - 130	
Acetonitrile	ND	< 100		576	504	µg/g	114.3	60 - 120	
Methyl Acetate	ND	< 500		1850	1630	µg/g	113.5	70 - 130	
2,3-Dimethylbutane	ND	< 30		170	174	µg/g	97.7	60 - 120	
Dichloromethane	ND	< 60		521	521	µg/g	100.0	60 - 120	
2-Methylpentane	ND	< 30		189	187	µg/g	101.1	60 - 120	
MTBE	ND	< 500		1770	1600	µg/g	110.6	70 - 130	
3-Methylpentane	ND	< 30		191	188	µg/g	101.6	60 - 120	
Hexane	ND	< 30		193	182	µg/g	106.0	60 - 120	
1-Propanol	ND	< 500		1740	1610	µg/g	108.1	70 - 130	
Methylethylketone	ND	< 500		1810	1600	µg/g	113.1	70 - 130	
Ethyl acetate	ND	< 200		1800	1630	µg/g	110.4	60 - 120	
2-Butanol	ND	< 200		1830	1630	µg/g	112.3	60 - 120	
Tetrahydrofuran	ND	< 100		528	506	µg/g	104.3	60 - 120	
Cyclohexane	ND	< 200		1720	1640	µg/g	104.9	60 - 120	
2-methyl-1-propanol	ND	< 500		1720	1620	µg/g	106.2	70 - 130	
Benzene	ND	< 1		5.11	4.93	µg/g	103.7	60 - 120	
Isopropyl Acetate	ND	< 200		1830	1640	µg/g	111.6	60 - 120	
Heptane	ND	< 200		1640	1630	µg/g	100.6	60 - 120	
1-Butanol	ND	< 500		1670	1600	µg/g	104.4	70 - 130	
Propyl Acetate	ND	< 500		1820	1620	µg/g	112.3	70 - 130	
1,4-Dioxane	ND	< 100		520	493	µg/g	105.5	60 - 120	
2-Ethoxyethanol	ND	< 30		183	171	µg/g	107.0	60 - 120	
Methylisobutylketone	ND	< 500		1700	1620	µg/g	104.9	70 - 130	
3-Methyl-1-butanol	ND	< 500		1690	1610	µg/g	105.0	70 - 130	
Ethylene Glycol	ND	< 200		459	494	µg/g	92.9	60 - 120	
Toluene	ND	< 100		517	506	µg/g	102.2	60 - 120	
Isobutyl Acetate	ND	< 500		1700	1620	µg/g	104.9	70 - 130	
1-Pentanol	ND	< 500		1550	1610	µg/g	96.3	70 - 130	
Butyl Acetate	ND	< 500		1600	1610	µg/g	99.4	70 - 130	
Ethylbenzene	ND	< 200		1030	996	µg/g	103.4	60 - 120	
m,p-Xylene	ND	< 200		1050	1010	µg/g	104.0	60 - 120	
o-Xylene	ND	< 200		989	979	µg/g	101.0	60 - 120	
Cumene	ND	< 30		186	188	µg/g	98.9	60 - 120	
Anisole	ND	< 500		1560	1610	µg/g	96.9	70 - 130	
DMSO	ND	< 500		1490	1600	µg/g	93.1	70 - 130	
1,2-dimethoxyethane	ND	< 50		207	190	µg/g	108.9	70 - 130	
Triethylamine	ND	< 500		1660	1610	µg/g	103.1	70 - 130	
N,N-dimethylformamide	ND	< 150		459	496	µg/g	92.5	70 - 130	
N,N-dimethylacetamide	ND	< 150		477	483	µg/g	98.8	70 - 130	
Pyridine	ND	< 50		163	167	µg/g	97.6	70 - 130	
Sulfone	ND	< 50		140	161	µg/g	87.0	70 - 130	
1,2-Dichloroethane	ND	< 1		1.16	1	µg/g	116.0	70 - 130	
Chloroform	ND	< 1		1.17	1	µg/g	117.0	70 - 130	
Trichloroethylene	ND	< 1		1.17	1	µg/g	117.0	70 - 130	
1,1-Dichloroethane	ND	< 1		1.14	1	µg/g	114.0	70 - 130	



12423 NE Whitaker Way  
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503-254-1794



**Report Number:** 22-012261/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: 22-011957-0001						
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	
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  
Q1 - Quality control result biased high. Only non-detect samples reported.

**Units of Measure:**

µg/g - Microgram per gram or ppm



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



**Report Number:** 22-012261/D002.R000  
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 LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2208818			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spke	LCS % Re	Limits	Notes
Abamectin	0.00	< 0.250		0.800	1.000	80.0	50.0	150
Acephate	0.00	< 0.250		0.932	1.000	93.2	60.0	120
Acetamiprid	0.00	< 1.000		3.041	4.000	76.0	40.0	160
Acetamiprid	0.00	< 0.100		0.354	0.400	88.5	60.0	120
Aldicarb	0.00	< 0.200		0.730	0.800	91.3	60.0	120
Azoxystrobin	0.00	< 0.100		0.301	0.400	75.3	60.0	120
Bifenazate	0.00	< 0.100		0.308	0.400	76.9	60.0	120
Bifenthrin	0.00	< 0.100		0.356	0.400	88.9	50.0	150
Boscalid	0.00	< 0.200		0.563	0.800	70.4	60.0	120
Carbaryl	0.00	< 0.100		0.378	0.400	94.5	60.0	120
Carbendazim	0.00	< 0.100		0.376	0.400	93.9	60.0	120
Chlorantraniliprole	0.00	< 0.100		0.270	0.400	67.4	60.0	120
Chlorfenapyr	0.00	< 0.500		1.516	2.000	75.8	60.0	120
Chlorpyrifos	0.00	< 0.100		0.306	0.400	76.6	60.0	120
Clofentezine	0.00	< 0.100		0.035	0.400	8.6	60.0	120
Cyfluthrin	0.00	< 0.500		1.782	2.000	89.1	50.0	150
Cypermethrin	0.00	< 0.500		1.698	2.000	84.9	50.0	150
Daminozide	0.00	< 0.500		0.756	2.000	37.8	60.0	120
Diazonon	0.00	< 0.100		0.318	0.400	79.6	60.0	120
Dichlorvos	0.00	< 0.500		1.933	2.000	96.6	60.0	120
Dimethoate	0.00	< 0.100		0.378	0.400	94.6	60.0	120
Ethiofencarb	0.00	< 0.100		0.359	0.400	89.7	60.0	120
Etofenprox	0.00	< 0.200		0.709	0.800	88.7	50.0	150
Etoxazole	0.00	< 0.100		0.315	0.400	78.8	60.0	120
Fenoxycarb	0.00	< 0.100		0.294	0.400	73.5	60.0	120
Fenpyroximate	0.00	< 0.200		0.639	0.800	79.8	60.0	120
Fipronil	0.00	< 0.200		0.547	0.800	68.4	60.0	120
Fonicamid	0.00	< 0.250		0.833	1.000	83.3	60.0	120
Fludioxonil	0.00	< 0.200		0.737	0.800	92.2	50.0	150
Hexythiazox	0.00	< 0.250		0.751	1.000	75.1	60.0	120
Imazalil	0.00	< 0.100		0.325	0.400	81.3	60.0	120
Imidacloprid	0.00	< 0.200		0.625	0.800	78.1	60.0	120
Kiesoxim-methyl	0.00	< 0.200		0.641	0.800	80.2	60.0	120
Malathion	0.00	< 0.100		0.332	0.400	82.9	60.0	120
Metolaxyl	0.00	< 0.100		0.350	0.400	87.4	60.0	120
Methiocarb	0.00	< 0.100		0.352	0.400	88.0	60.0	120
Methomyl	0.00	< 0.200		0.693	0.800	86.6	60.0	120
MCK-264	0.00	< 0.100		0.295	0.400	73.7	50.0	150
Mydobutanol	0.00	< 0.100		0.297	0.400	74.2	60.0	120
Naled	0.00	< 0.250		0.684	1.000	68.4	50.0	150
Oxaryl	0.00	< 0.500		1.401	2.000	70.1	60.0	120
Padobutrazole	0.00	< 0.200		0.586	0.800	73.2	60.0	120
Parathion-Methyl	0.00	< 0.200		0.618	0.800	77.3	50.0	150
Permethrin	0.00	< 0.100		0.350	0.400	87.5	50.0	150
Phosmet	0.00	< 0.100		0.317	0.400	79.3	50.0	150
Piperonyl butoxide	0.00	< 0.500		1.509	2.000	75.4	60.0	120
Prallethrin	0.00	< 0.100		0.281	0.400	70.2	60.0	120
Propiconazole	0.00	< 0.200		0.576	0.800	72.0	60.0	120
Propoxur	0.00	< 0.100		0.385	0.400	96.1	60.0	120
Pyrethrin (Summe)	0.00	< 0.100		0.296	0.413	71.7	60.0	120
Pyridaben	0.00	< 0.100		0.322	0.400	80.5	50.0	150
Spinosad	0.00	< 0.100		0.293	0.388	75.6	50.0	150
Spiromesfen	0.00	< 0.100		0.333	0.400	83.2	60.0	120
Spirotetramat	0.00	< 0.100		0.272	0.400	67.9	60.0	120
Spiroxamine	0.00	< 0.200		0.634	0.800	79.2	60.0	120
Tebuconazole	0.00	< 0.200		0.596	0.800	74.5	60.0	120
Thiadoprid	0.00	< 0.100		0.349	0.400	87.2	60.0	120
Thiamethoxam	0.00	< 0.100		0.329	0.400	82.3	60.0	120
Trifloxystrobin	0.00	< 0.100		0.299	0.400	74.9	60.0	120

Q6

Q6



12423 NE Whitaker Way  
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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg				Batch ID 2208818				
Matrix Spke/Matrix Spke Duplicate Recoveries	Result	MS Res	MSD Res	Spike	RFD%	Limit	MS% Re	MSD % Re	Limits	Notes
Abamectin	0.00	0.923	0.957	1.000	3.6%	< 30	92.3%	95.7%	50 - 150	
Acephate	0.00	1.230	1.176	1.000	4.5%	< 30	123.0%	117.6%	50 - 150	
Acetaminophen	0.00	3.601	3.589	4.000	0.3%	< 30	90.0%	89.7%	50 - 150	
Acetamiprid	0.00	0.470	0.471	0.400	0.2%	< 30	117.6%	117.8%	50 - 150	
Aldicarb	0.00	0.307	0.307	0.800	0.1%	< 30	38.4%	38.3%	50 - 150	Q
Azoxystrobin	0.00	0.432	0.426	0.400	1.5%	< 30	107.9%	106.4%	50 - 150	
Bifenazate	0.00	0.385	0.388	0.400	0.5%	< 30	96.9%	97.0%	50 - 150	
Bifenthrin	0.00	0.371	0.369	0.400	0.4%	< 30	92.6%	92.3%	50 - 150	
Boscalid	0.00	0.698	0.679	0.800	2.7%	< 30	87.2%	84.9%	50 - 150	
Carbaryl	0.00	0.496	0.486	0.400	2.1%	< 30	124.1%	121.5%	50 - 150	
Carbendazim	0.00	0.535	0.537	0.400	0.4%	< 30	133.8%	134.3%	50 - 150	
Chlorantraniliprole	0.00	0.330	0.331	0.400	0.3%	< 30	82.9%	82.7%	50 - 150	
Chlorfenapyr	0.00	1.767	1.869	2.000	5.6%	< 30	88.4%	93.5%	50 - 150	
Chlorpyrifos	0.00	0.376	0.375	0.400	0.4%	< 30	94.0%	93.6%	50 - 150	
Clofentezine	0.00	0.245	0.234	0.400	4.7%	< 30	61.2%	58.4%	50 - 150	
Cyfluthrin	0.00	1.634	1.764	2.000	7.6%	< 30	81.7%	88.2%	30 - 150	
Cypermethrin	0.00	1.697	1.725	2.000	1.7%	< 30	84.9%	86.3%	50 - 150	
Daminozide	0.00	1.353	1.322	2.000	2.3%	< 30	67.6%	66.1%	30 - 150	
Diazinon	0.00	0.433	0.410	0.400	5.5%	< 30	108.3%	102.5%	50 - 150	
Dichlorvos	0.00	2.249	2.228	2.000	1.0%	< 30	112.5%	111.4%	50 - 150	
Dimethoate	0.00	0.438	0.434	0.400	1.0%	< 30	109.5%	108.4%	50 - 150	
Ethioniazole	0.00	0.408	0.406	0.400	0.5%	< 30	102.1%	101.6%	50 - 150	
Etofenprox	0.00	0.804	0.806	0.800	0.3%	< 30	100.5%	100.8%	50 - 150	
Etoxazole	0.00	0.400	0.401	0.400	0.4%	< 30	99.9%	100.3%	50 - 150	
Fenoxycarb	0.00	0.378	0.374	0.400	1.0%	< 30	94.4%	93.5%	50 - 150	
Fenpyroximate	0.00	0.707	0.727	0.800	2.8%	< 30	88.3%	90.9%	50 - 150	
Fipronil	0.00	0.705	0.725	0.800	2.9%	< 30	88.2%	90.8%	50 - 150	
Fonicamid	0.00	0.803	0.806	1.000	0.4%	< 30	80.3%	80.6%	50 - 150	
Fludioxonil	0.00	0.800	0.799	0.800	0.2%	< 30	100.1%	99.8%	50 - 150	
Hexythiazox	0.00	0.954	0.989	1.000	3.6%	< 30	95.4%	98.9%	50 - 150	
Imazalil	0.00	0.455	0.448	0.400	1.5%	< 30	113.8%	112.1%	50 - 150	
Imidacloprid	0.00	0.537	0.542	0.800	0.8%	< 30	67.2%	67.7%	50 - 150	
Kiesoxim-methyl	0.00	0.823	0.840	0.800	2.0%	< 30	102.9%	105.0%	50 - 150	
Malathion	0.00	0.427	0.420	0.400	1.7%	< 30	106.8%	105.0%	50 - 150	
Metaxyl	0.00	0.415	0.419	0.400	1.0%	< 30	103.8%	104.8%	50 - 150	
Methiocarb	0.00	0.407	0.409	0.400	0.5%	< 30	101.8%	102.3%	50 - 150	
Methomyl	0.00	0.785	0.787	0.800	0.3%	< 30	98.1%	98.3%	50 - 150	
MCK-264	0.00	0.389	0.383	0.400	3.7%	< 30	92.2%	95.7%	50 - 150	
Mydobutani	0.00	0.360	0.368	0.400	2.1%	< 30	90.0%	92.0%	50 - 150	
Naled	0.00	1.031	1.036	1.000	0.5%	< 30	103.1%	103.6%	50 - 150	
Oxaryl	0.00	1.847	1.912	2.000	3.4%	< 30	92.4%	95.6%	50 - 150	
Padobutrazole	0.00	0.751	0.748	0.800	0.4%	< 30	93.8%	93.5%	50 - 150	
Parathion-Methyl	0.00	0.941	0.911	0.800	3.3%	< 30	117.7%	113.8%	30 - 150	
Permethrin	0.00	0.357	0.354	0.400	0.8%	< 30	89.2%	88.5%	50 - 150	
Phosmet	0.00	0.378	0.385	0.400	2.2%	< 30	94.4%	96.6%	50 - 150	
Piperonyl butoxide	0.00	1.947	1.905	2.000	2.1%	< 30	97.3%	95.3%	50 - 150	
Prallethrin	0.00	0.367	0.371	0.400	1.0%	< 30	91.7%	92.7%	50 - 150	
Propiconazole	0.00	0.762	0.772	0.800	1.4%	< 30	95.2%	96.5%	50 - 150	
Propoxur	0.00	0.510	0.510	0.400	0.0%	< 30	127.5%	127.6%	50 - 150	
Pyrethrin (Summe)	0.00	0.642	0.646	0.413	0.7%	< 30	155.5%	156.5%	50 - 150	Q
Pyridaben	0.00	0.395	0.406	0.400	2.6%	< 30	98.8%	101.4%	50 - 150	
Spirosad	0.00	0.387	0.389	0.388	3.0%	< 30	99.7%	102.8%	50 - 150	
Spiromesfen	0.00	0.409	0.412	0.400	0.8%	< 30	102.2%	103.0%	50 - 150	
Spirotetramat	0.00	0.340	0.341	0.400	0.3%	< 30	85.0%	85.3%	50 - 150	
Spiroxamine	0.00	0.831	0.813	0.800	2.2%	< 30	103.9%	101.6%	50 - 150	
Tebuconazole	0.00	0.771	0.745	0.800	3.4%	< 30	96.4%	93.2%	50 - 150	
Thiadoprid	0.00	0.161	0.158	0.400	2.0%	< 30	40.3%	39.5%	50 - 150	Q
Thiamethoxam	0.00	0.310	0.325	0.400	4.7%	< 30	77.5%	81.2%	50 - 150	
Trifloxystrobin	0.00	0.362	0.360	0.400	0.7%	< 30	90.6%	90.0%	50 - 150	



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**Report Number:** 22-012261/D002.R000  
**Report Date:** 10/18/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/11/22 11:00





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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.