Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

This is an amended version of report# 24-010742/D007.R000.
Reason: updated client information

Customer: Seventh Hill Releaf LLC
Product identity: Focus CBG Caramel
Client/Metrc ID: .
Laboratory ID: 24-010742-0007

Summary

Potency:

Analyte	Result	Limits	Units	Status
CBD	0.109		%	
CBG	0.115		%	
Δ9-THC	0.0295		%	

Analyte per 17g	Result	Limits	Units	Status
CBD per 17g	18.5		mg/17g	
CBG per 17g	19.6		mg/17g	
Δ9-THC per 17g	5.02		mg/17g	

CBD-Total per Serving Size 18.5 mg/17g

Delta-9-THC-Total per 5.02 mg/17g

(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.

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

Customer: Seventh Hill Releaf LLC
215 S 19th St
Springfield Oregon 97477
United States of America (USA)

Product identity: Focus CBG Caramel
Client/Metrc ID: .
Sample Date:
Laboratory ID: 24-010742-0007
Evidence of Cooling: No
Temp: 23 °C
Relinquished by: shipping
Lot #: FCCBG24251
Serving Size #1: 17 g

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[þ] **Units** % **Batch:** 2407447 **Analyze:** 9/26/24 2:40:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC	< LOQ		%	0.00308	
CBC-A	< LOQ		%	0.00308	
CBC-Total	< LOQ		%	0.00579	
CBD[⊥]	0.109		%	0.00308	
CBD-A[⊥]	< LOQ		%	0.00308	
CBD-Total[⊥]	0.109		%	0.00579	
CBDV	< LOQ		%	0.00308	
CBDV-A	< LOQ		%	0.00308	
CBDV-Total	< LOQ		%	0.00575	
CBE	< LOQ		%	0.00308	
CBG	0.115		%	0.00308	
CBG-A	< LOQ		%	0.00308	
CBG-Total	0.115		%	0.00575	
CBL	< LOQ		%	0.00308	
CBL-A	< LOQ		%	0.00308	
CBL-Total	< LOQ		%	0.00579	
CBN	< LOQ		%	0.00308	
CBT	< LOQ		%	0.00308	
Δ10-THC-9R	< LOQ		%	0.00308	
Δ10-THC-9S	< LOQ		%	0.00308	
Δ10-THC-Total	< LOQ		%	0.00616	
Δ8-THC[⊥]	< LOQ		%	0.00308	
Δ8-THCV	< LOQ		%	0.00308	
Δ9-THC[⊥]	0.0295		%	0.00308	
Δ9-THC-A[⊥]	< LOQ		%	0.00308	
Δ9-THC-Total[⊥]	0.0295		%	0.00579	
Δ9-THCP	< LOQ		%	0.00308	
Δ9-THCV	< LOQ		%	0.00308	
Δ9-THCV-A	< LOQ		%	0.00308	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

Potency

Method: J AOAC 2015 V98-6 (mod)þ **Units** % **Batch:** 2407447 **Analyze:** 9/26/24 2:40:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
Δ9-THCV-Total	< LOQ		%	0.00575	
exo-THC	< LOQ		%	0.00308	
Total Cannabinoids	**0.254**		%		

Potency per 17g

Method: J AOAC 2015 V98-6 (mod)þ **Units** mg/se **Batch:** 2407447 **Analyze:** 9/26/24 2:40:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 17g	< LOQ		mg/17g	0.524	
CBC-A per 17g	< LOQ		mg/17g	0.524	
CBC-Total per 17g	< LOQ		mg/17g	0.983	
CBD per 17g	18.5		mg/17g	0.524	
CBD-A per 17g⊥	< LOQ		mg/17g	0.524	
CBD-Total per 17g⊥	18.5		mg/17g	0.983	
CBDV per 17g	< LOQ		mg/17g	0.524	
CBDV-A per 17g	< LOQ		mg/17g	0.524	
CBDV-Total per 17g	< LOQ		mg/17g	0.978	
CBE per 17g	< LOQ		mg/17g	0.524	
CBG per 17g	19.6		mg/17g	0.524	
CBG-A per 17g	< LOQ		mg/17g	0.524	
CBG-Total per 17g	19.6		mg/17g	0.978	
CBL per 17g	< LOQ		mg/17g	0.524	
CBL-A per 17g	< LOQ		mg/17g	0.524	
CBL-Total per 17g	< LOQ		mg/17g	0.983	
CBN per 17g	< LOQ		mg/17g	0.524	
CBT per 17g	< LOQ		mg/17g	0.524	
Δ10-THC-9R per 17g	< LOQ		mg/17g	0.524	
Δ10-THC-9S per 17g	< LOQ		mg/17g	0.524	
Δ10-THC-Total per 17g	< LOQ		mg/17g	1.05	
Δ8-THC per 17g⊥	< LOQ		mg/17g	0.524	
Δ8-THCV per 17g	< LOQ		mg/17g	0.524	
Δ9-THC per 17g⊥	5.02		mg/17g	0.524	
Δ9-THC-Total per 17g	5.02		mg/17g	0.983	
Δ9-THCP per 17g	< LOQ		mg/17g	0.524	
Δ9-THCV per 17g	< LOQ		mg/17g	0.524	
Δ9-THCV-A per 17g	< LOQ		mg/17g	0.524	
Δ9-THCV-Total per 17g	< LOQ		mg/17g	0.984	
exo-THC per 17g	< LOQ		mg/17g	0.524	
THC-A per 17g⊥	< LOQ		mg/17g	0.524	
Total Cannabinoids per 17g	43.1		mg/17g		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2407387	09/27/24	AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2407387	09/27/24	AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2407388	09/28/24	AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2407388	09/28/24	AOAC 2014.05 (RAPID)		

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

Solvents **Method:** Residual Solvents by HS-GC-MS^{b} **Units** µg/g **Batch** 2407455 **Analyze** 09/26/24 11:19 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane$^{\perp}$	< LOQ		100			2-Butanol$^{\perp}$	< LOQ		200		
2-Ethoxyethanol$^{\perp}$	< LOQ		30.0			2-Methylbutane (Isopentane)$^{\perp}$	< LOQ		200		
2-Methylpentane$^{\perp}$	< LOQ		30.0			2-Propanol (IPA)$^{\perp}$	< LOQ		200		
2,2-Dimethylbutane$^{\perp}$	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)$^{\perp}$	< LOQ		200		
2,3-Dimethylbutane$^{\perp}$	< LOQ		30.0			3-Methylpentane$^{\perp}$	< LOQ		30.0		
Acetone$^{\perp}$	< LOQ		200			Acetonitrile$^{\perp}$	< LOQ		100		
Benzene$^{\perp}$	< LOQ		1.00			Butanes (sum)$^{\perp}$	< LOQ		400		
Cyclohexane$^{\perp}$	< LOQ		200			Ethyl acetate$^{\perp}$	< LOQ		200		
Ethyl benzene	< LOQ		200			Ethyl ether$^{\perp}$	< LOQ		200		
Ethylene glycol$^{\perp}$	< LOQ		200			Ethylene oxide$^{\perp}$	< LOQ		20.0		
Hexanes (sum)$^{\perp}$	< LOQ		150			Isopropyl acetate$^{\perp}$	< LOQ		200		
Isopropylbenzene (Cumene)$^{\perp}$	< LOQ		30.0			m,p-Xylene$^{\perp}$	< LOQ		200		
Methanol$^{\perp}$	< LOQ		200			Methylene chloride$^{\perp}$	< LOQ		60.0		
Methylpropane (Isobutane)$^{\perp}$	< LOQ		200			n-Butane$^{\perp}$	< LOQ		200		
n-Heptane$^{\perp}$	< LOQ		200			n-Hexane$^{\perp}$	< LOQ		30.0		
n-Pentane$^{\perp}$	< LOQ		200			o-Xylene$^{\perp}$	< LOQ		200		
Pentanes (sum)	< LOQ		600			Propane	< LOQ		200		
Tetrahydrofuran$^{\perp}$	< LOQ		100			Toluene$^{\perp}$	< LOQ		100		
Total Xylenes$^{\perp}$	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ		600		

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2407457 **Analyze** 09/26/24 11:38 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin⊥	< LOQ		0.250			Acephate	< LOQ		0.200		
Acequinocyl⊥	< LOQ		1.00			Acetamiprid	< LOQ		0.100		
Aldicarb⊥	< LOQ		0.200			Azoxystrobin⊥	< LOQ		0.100		
Bifenazate⊥	< LOQ		0.100			Bifenthrin⊥	< LOQ		0.100		
Boscalid⊥	< LOQ		0.200			Carbaryl⊥	< LOQ		0.100		
Carbofuran⊥	< LOQ		0.100			Chlorantraniliprole⊥	< LOQ		0.100		
Chlorfenapyr⊥	< LOQ		0.500			Chlorpyrifos-ethyl⊥	< LOQ		0.100		
Clofentezine⊥	< LOQ		0.100			Cyfluthrin (sum)⊥	< LOQ		0.500		
Cypermethrin and	< LOQ		0.500			Daminozide⊥	< LOQ		0.500		
Diazinon⊥	< LOQ		0.100			Dichlorvos⊥	< LOQ		0.500		
Dimethoate⊥	< LOQ		0.100			Ethoprophos⊥	< LOQ		0.100		
Etofenprox⊥	< LOQ		0.200			Etoxazole⊥	< LOQ		0.100		
Fenoxycarb⊥	< LOQ		0.100			Fenpyroximate⊥	< LOQ		0.200		
Fipronil⊥	< LOQ		0.200			Flonicamid⊥	< LOQ		0.400		
Fludioxonil⊥	< LOQ		0.200			Hexythiazox⊥	< LOQ		0.400		
Imazalil⊥	< LOQ		0.100			Imidacloprid⊥	< LOQ		0.200		
Kresoxim-methyl⊥	< LOQ		0.200			Malathion⊥	< LOQ		0.100		
Metalaxyl⊥	< LOQ		0.100			Methiocarb⊥	< LOQ		0.100		
Methomyl⊥	< LOQ		0.200			MGK-264⊥	< LOQ		0.100		
Myclobutanil⊥	< LOQ		0.100			Naled⊥	< LOQ		0.250		
Oxamyl⊥	< LOQ		0.500			Paclobutrazole⊥	< LOQ		0.200		
Parathion-methyl⊥	< LOQ		0.100			Permethrin⊥	< LOQ		0.100		
Phosmet⊥	< LOQ		0.100			Piperonyl butoxide⊥	< LOQ		1.00		
Prallethrin⊥	< LOQ		0.100			Propiconazole⊥	< LOQ		0.200		
Propoxur⊥	< LOQ		0.100			Pyrethrin I (total)⊥	< LOQ		0.500		
Pyridaben⊥	< LOQ		0.100			Spinosad⊥	< LOQ		0.100		
Spiromesifen⊥	< LOQ		0.100			Spirotetramat⊥	< LOQ		0.100		
Spiroxamine⊥	< LOQ		0.200			Tebuconazole⊥	< LOQ		0.200		
Thiacloprid⊥	< LOQ		0.100			Thiamethoxam⊥	< LOQ		0.100		
Trifloxystrobin⊥	< LOQ		0.100								

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic⊥	< LOQ		mg/kg	0.0169	2407535	09/27/24	AOAC 2013.06 (mod.)þ		
Cadmium⊥	< LOQ		mg/kg	0.0169	2407535	09/27/24	AOAC 2013.06 (mod.)þ		
Lead⊥	< LOQ		mg/kg	0.0169	2407535	09/27/24	AOAC 2013.06 (mod.)þ		
Mercury⊥	< LOQ		mg/kg	0.00844	2407535	09/27/24	AOAC 2013.06 (mod.)þ		

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B1[⊥]	< LOQ		µg/kg	5.00	2407532	09/30/24	AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin B2[⊥]	< LOQ		µg/kg	5.00	2407532	09/30/24	AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G1[⊥]	< LOQ		µg/kg	5.00	2407532	09/30/24	AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G2[⊥]	< LOQ		µg/kg	5.00	2407532	09/30/24	AOAC 2007.01 & EN 15662 (mod)		
Ochratoxin A[⊥]	< LOQ		µg/kg	5.00	2407532	09/30/24	AOAC 2007.01 & EN 15662 (mod)		
Total Aflatoxins	< LOQ		µg/kg	20.0		10/01/24	AOAC 2007.01 & EN 15662 (mod)[þ]		

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	24-010742/D007.R001
Report Date:	10/02/2024
ORELAP#:	OR100028
Purchase Order:	
Received:	09/24/24 11:17

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.

þ = ISO/IEC 17025:2017 accredited method.
⊥ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram
g = Gram
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/kg = Milligram per kilogram = parts per million (ppm)
mg/17g = Milligram per 17g
% = Percentage of sample
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

Columbia LABORATORIES
A Tentamus Company

Hemp & Cannabis Chain of Custody

Seventh-Hill-CBD-1727115653

Company Details
Company: Seventh Hill CBD
Contact: Jordan Dunn
Street Address: 215 South 19th Street
City, State, Zip: Springfield, OR 97477
Email: jordandunn@seventhhillcbd.com
Contact Phone: 5415912620
Company Phone: 5415912620

Billing Information
Billing Phone: 5415912620
Billing Email: jordandunn@seventhhillcbd.com

Project Details
Turnaround Time: 3 Business Days | Surcharges Apply
Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)

Receipt Information
Prelog Storage: Canna Shelves
Sample Condition: Satisfactory

#	Sample Name	Material	METRC ID	Amount Provided	Reporting Unit	Specifications	Testing: CH001 - Standard Potency +Safety Package	Testing: H0014 - Potency Cannabis (Basic)
1	3-1 Caramel	Cannabinoid Edible	CC3124251	30 g	% & mg/serving	17 Grams per Serving	✓	
2	6-1 Caramel	Cannabinoid Edible	CC6124251	30 g	% & mg/serving	17 grams per serving	✓	
3	3-1 THCv Caramel	Cannabinoid Edible	CC31TV2425	30 g	% & mg/serving	17 Grams per serving	✓	
4	6-1-1 Gummy Caramel	Cannabinoid Edible	GC6112425	30 g	% & mg/serving	17 Grams per serving	✓	
5	1-1 Pumpkin Caramel	Cannabinoid Edible	CC11PS2425	30 g	% & mg/serving	17 Grams per serving		✓
6	3-1 Fudge	Cannabinoid Edible	FF3124251	30 g	% & mg/serving	12.5 Grams per Serving	✓	
7	Focus CBG Caramel	Cannabinoid Edible	FCCBG24251	30 g	% & mg/serving	17 grams	✓	
8	1-1 Caramel	Cannabinoid Edible	CC1124251	30 g	% & mg/serving	17 Grams per Serving	✓	

Package Details

Standard Potency +Safety Package: Cannabis Heavy Metals Profile OR • E. coli/Coliform Count (EC) Petrifilm • Pesticides (OR - Cannabis) • Potency Cannabis (Basic+Expanded) • RAPID Yeast and Mold Count (RYM) Petrifilm • Residual Solvents (Cannabis - Oregon)

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
Jordan Taylor Dunn	09/23/2024	11:20	em	09/24/2024	11:17	23.00	No

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of services associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2407447**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0313	0.0309	%	101	80.0 - 120	Acceptable	
CBDV	2	0.0280	0.0289	%	96.8	80.0 - 120	Acceptable	
CBE	2	0.0350	0.0352	%	99.6	80.0 - 120	Acceptable	
CBDA	1	0.0361	0.0358	%	101	90.0 - 110	Acceptable	
CBGA	1	0.0355	0.0351	%	101	80.0 - 120	Acceptable	
CBG	1	0.0318	0.0314	%	101	80.0 - 120	Acceptable	
CBD	1	0.0350	0.0351	%	99.8	90.0 - 110	Acceptable	
THCV	2	0.0335	0.0338	%	99.1	80.0 - 120	Acceptable	
d8THCV	2	0.0349	0.0348	%	100	80.0 - 120	Acceptable	
THCVA	2	0.0306	0.0308	%	99.3	80.0 - 120	Acceptable	
CBN	1	0.0354	0.0352	%	101	80.0 - 120	Acceptable	
exo-THC	2	0.0317	0.0326	%	97.3	80.0 - 120	Acceptable	
d9THC	1	0.0333	0.0337	%	98.8	90.0 - 110	Acceptable	
d8THC	1	0.0278	0.0284	%	97.9	90.0 - 110	Acceptable	
9S-d10THC	1	0.0344	0.0354	%	97.2	80.0 - 120	Acceptable	
CBL	2	0.0300	0.0307	%	97.5	80.0 - 120	Acceptable	
9R-d10THC	1	0.0352	0.0365	%	96.5	80.0 - 120	Acceptable	
CBC	2	0.0336	0.0347	%	96.9	80.0 - 120	Acceptable	
THCA	1	0.0366	0.0359	%	102	90.0 - 110	Acceptable	
CBCA	2	0.0311	0.0321	%	96.8	80.0 - 120	Acceptable	
CBLA	2	0.0311	0.0325	%	95.7	80.0 - 120	Acceptable	
d9THCP	2	0.0305	0.0322	%	94.7	80.0 - 120	Acceptable	
CBT	2	0.0307	0.0334	%	91.7	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBDV	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBE	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBDA	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBGA	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBG	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBD	<LOQ	0.00327	%	< 0.00327	Acceptable	
THCV	<LOQ	0.00327	%	< 0.00327	Acceptable	
d8THCV	<LOQ	0.00327	%	< 0.00327	Acceptable	
THCVA	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBN	<LOQ	0.00327	%	< 0.00327	Acceptable	
exo-THC	<LOQ	0.00327	%	< 0.00327	Acceptable	
d9THC	<LOQ	0.00327	%	< 0.00327	Acceptable	
d8THC	<LOQ	0.00327	%	< 0.00327	Acceptable	
9S-d10THC	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBL	<LOQ	0.00327	%	< 0.00327	Acceptable	
9R-d10THC	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBC	<LOQ	0.00327	%	< 0.00327	Acceptable	
THCA	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBCA	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBLA	<LOQ	0.00327	%	< 0.00327	Acceptable	
d9THCP	<LOQ	0.00327	%	< 0.00327	Acceptable	
CBT	<LOQ	0.00327	%	< 0.00327	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2407447**

Sample Duplicate Sample ID: **24-010717-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBG	0.227	0.226	0.00309	%	0.337	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBN	0.00320	0.00315	0.00309	%	1.65	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
d9THC	0.257	0.256	0.00309	%	0.498	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBC	0.257	0.256	0.00309	%	0.243	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00309	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

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

Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2407455

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		435	585	µg/g	74.4	60	-	120	
Isobutane	ND	<	200		559	770	µg/g	72.6	60	-	120	
Butane	ND	<	200		570	769	µg/g	74.1	60	-	120	
2,2-Dimethylpropane	ND	<	200		706	956	µg/g	73.8	60	-	120	
Methanol	ND	<	200		1320	1630	µg/g	81.0	60	-	120	
Ethylene Oxide	ND	<	30		43.9	57.7	µg/g	76.1	60	-	120	
2-Methylbutane	ND	<	200		1270	1620	µg/g	78.4	60	-	120	
Pentane	ND	<	200		1250	1620	µg/g	77.2	60	-	120	
Ethanol	ND	<	200		1350	1620	µg/g	83.3	70	-	130	
Ethyl Ether	ND	<	200		1480	1620	µg/g	91.4	60	-	120	
2,2-Dimethylbutane	ND	<	30		144	179	µg/g	80.4	60	-	120	
Acetone	ND	<	200		1300	1620	µg/g	80.2	60	-	120	
2-Propanol	ND	<	200		1310	1620	µg/g	80.9	60	-	120	
Ethyl Formate	ND	<	500		1170	1610	µg/g	72.7	70	-	130	
Acetonitrile	ND	<	100		391	502	µg/g	77.9	60	-	120	
Methyl Acetate	ND	<	500		1390	1610	µg/g	86.3	70	-	130	
2,3-Dimethylbutane	ND	<	30		147	180	µg/g	81.7	60	-	120	
Dichloromethane	ND	<	60		434	533	µg/g	81.4	60	-	120	
2-Methylpentane	ND	<	30		151	181	µg/g	83.4	60	-	120	
MTBE	ND	<	500		1330	1600	µg/g	83.1	70	-	130	
3-Methylpentane	ND	<	30		148	177	µg/g	83.6	60	-	120	
Hexane	ND	<	30		147	182	µg/g	80.8	60	-	120	
1-Propanol	ND	<	500		1310	1610	µg/g	81.4	70	-	130	
Methylethylketone	ND	<	500		1350	1600	µg/g	84.4	70	-	130	
Ethyl acetate	ND	<	200		1330	1620	µg/g	82.1	60	-	120	
2-Butanol	ND	<	200		1320	1630	µg/g	81.0	60	-	120	
Tetrahydrofuran	ND	<	100		411	499	µg/g	82.4	60	-	120	
Cyclohexane	ND	<	200		1280	1610	µg/g	79.5	60	-	120	
2-methyl-1-propanol	ND	<	500		1330	1600	µg/g	83.1	70	-	130	
Benzene	ND	<	1		3.96	5.01	µg/g	79.0	60	-	120	
Isopropyl Acetate	ND	<	200		1310	1620	µg/g	80.9	60	-	120	
Heptane	ND	<	200		1270	1610	µg/g	78.9	60	-	120	
1-Butanol	ND	<	500		1390	1600	µg/g	86.9	70	-	130	
Propyl Acetate	ND	<	500		1410	1600	µg/g	88.1	70	-	130	
1,4-Dioxane	ND	<	100		398	493	µg/g	80.7	60	-	120	
2-Ethoxyethanol	ND	<	30		142	182	µg/g	78.0	60	-	120	
Methylisobutylketone	ND	<	500		1390	1610	µg/g	86.3	70	-	130	
3-Methyl-1-butanol	ND	<	500		1370	1600	µg/g	85.6	70	-	130	
Ethylene Glycol	ND	<	200		322	501	µg/g	64.3	60	-	120	
Toluene	ND	<	100		400	501	µg/g	79.8	60	-	120	
Isobutyl Acetate	ND	<	500		1320	1600	µg/g	82.5	70	-	130	
1-Pentanol	ND	<	500		1320	1600	µg/g	82.5	70	-	130	
Butyl Acetate	ND	<	500		1340	1600	µg/g	83.8	70	-	130	
Ethylbenzene	ND	<	200		756	981	µg/g	77.1	60	-	120	
m,p-Xylene	ND	<	200		728	1000	µg/g	72.8	60	-	120	
o-Xylene	ND	<	200		834	981	µg/g	85.0	60	-	120	
Cumene	ND	<	30		153	177	µg/g	86.4	60	-	120	
Anisole	ND	<	500		1550	1610	µg/g	96.3	70	-	130	
DMSO	ND	<	500		1360	1600	µg/g	85.0	70	-	130	
1,2-dimethoxyethane	ND	<	50		127	161	µg/g	78.9	70	-	130	
Triethylamine	ND	<	500		1310	1600	µg/g	81.9	70	-	130	
N,N-dimethylformamide	ND	<	150		423	484	µg/g	87.4	70	-	130	
N,N-dimethylacetamide	ND	<	150		507	497	µg/g	102.0	70	-	130	
Pyridine	ND	<	50		124	162	µg/g	76.5	70	-	130	
Sulfolane	ND	<	50		128	166	µg/g	77.1	70	-	130	
1,2-Dichloroethane	ND	<	1		0.864	1	µg/g	86.4	70	-	130	
Chloroform	ND	<	1		0.84	1	µg/g	84.0	70	-	130	
Trichloroethylene	ND	<	1		0.841	1	µg/g	84.1	70	-	130	
1,1-Dichloroethane	ND	<	1		0.858	1	µg/g	85.8	70	-	130	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

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

QC - Sample Duplicate **Sample ID: 24-010616-0001**

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	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	370	404	200	µg/g	8.8	< 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

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

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:** 2407457

Method Blank				Laboratory Control Sample					
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**		**Notes**
Abamectin	0.000	< 0.250		0.981	1.000	98.1	50.0	150	
Acephate	0.011	< 0.200		0.685	0.800	85.6	60.0	120	
Acequinocyl	0.000	< 1.000		3.338	4.000	83.4	40.0	160	
Acetamiprid	0.011	< 0.100		0.370	0.400	92.6	60.0	120	
Aldicarb	0.000	< 0.200		0.716	0.800	89.5	60.0	120	
Azoxystrobin	0.015	< 0.100		0.352	0.400	87.9	60.0	120	
Bifenazate	0.000	< 0.100		0.380	0.400	95.0	60.0	120	
Bifenthrin	0.019	< 0.100		0.387	0.400	96.7	50.0	150	
Boscalid	0.020	< 0.200		0.734	0.800	91.8	60.0	120	
Carbaryl	0.011	< 0.100		0.356	0.400	88.9	60.0	120	
Carbofuran	0.010	< 0.100		0.359	0.400	89.9	60.0	120	
Chlorantraniliprole	0.009	< 0.100		0.347	0.400	86.7	60.0	120	
Chlorfenapyr	0.000	< 0.500		1.856	2.000	92.8	60.0	120	
Chlorpyrifos	0.003	< 0.100		0.368	0.400	92.0	60.0	120	
Clofentezine	0.014	< 0.100		0.287	0.400	71.8	60.0	120	
Cyfluthrin	0.047	< 0.500		1.904	2.000	95.2	50.0	150	
Cypermethrin	0.074	< 0.500		1.869	2.000	93.4	50.0	150	
Daminozide	0.072	< 0.500		0.760	2.000	***38.0***	60.0	120	**Q7**
Diazinon	0.007	< 0.100		0.369	0.400	92.3	60.0	120	
Dichlorvos	0.060	< 0.500		1.695	2.000	84.7	60.0	120	
Dimethoate	0.006	< 0.100		0.364	0.400	90.9	60.0	120	
Ethoprophos	0.005	< 0.100		0.363	0.400	90.6	60.0	120	
Etofenprox	0.052	< 0.200		0.805	0.800	100.6	50.0	150	
Etoxazole	0.004	< 0.100		0.403	0.400	100.7	60.0	120	
Fenoxycarb	0.009	< 0.100		0.353	0.400	88.2	60.0	120	
Fenpyroximate	0.016	< 0.200		0.744	0.800	93.0	60.0	120	
Fipronil	0.034	< 0.200		0.714	0.800	89.2	60.0	120	
Flonicamid	0.000	< 0.250		0.871	1.000	87.1	60.0	120	
Fludioxonil	0.001	< 0.200		0.745	0.800	93.1	50.0	150	
Hexythiazox	0.008	< 0.250		0.941	1.000	94.1	60.0	120	
Imazalil	0.008	< 0.100		0.371	0.400	92.8	60.0	120	
Imidacloprid	0.045	< 0.200		0.663	0.800	82.8	60.0	120	
Kresoxim-methyl	0.021	< 0.200		0.687	0.800	85.9	60.0	120	
Malathion	0.000	< 0.100		0.375	0.400	93.9	60.0	120	
Metalaxyl	0.000	< 0.100		0.344	0.400	86.0	60.0	120	
Methiocarb	0.009	< 0.100		0.355	0.400	88.9	60.0	120	
Methomyl	0.000	< 0.200		0.763	0.800	95.3	60.0	120	
MGK-264	0.000	< 0.100		0.364	0.400	91.1	50.0	150	
Myclobutanil	0.022	< 0.100		0.350	0.400	87.4	60.0	120	
Naled	0.000	< 0.250		0.843	1.000	84.3	50.0	150	
Oxamyl	0.000	< 0.500		1.862	2.000	93.1	60.0	120	
Paclobutrazole	0.021	< 0.200		0.690	0.800	86.3	60.0	120	
Parathion-Methyl	0.000	< 0.100		0.350	0.400	87.6	50.0	150	
Permethrin	0.013	< 0.100		0.405	0.400	101.2	50.0	150	
Phosmet	0.016	< 0.100		0.345	0.400	86.3	50.0	150	
Piperonyl butoxide	0.021	< 0.500		2.030	2.000	101.5	60.0	120	
Prallethrin	0.000	< 0.100		0.351	0.400	87.7	60.0	120	
Propiconazole	0.011	< 0.200		0.724	0.800	90.5	60.0	120	
Propoxur	0.006	< 0.100		0.356	0.400	89.1	60.0	120	
Pyrethrin (Summe)	0.000	< 0.100		0.231	0.488	***47.2***	60.0	120	**84.3**
Pyridaben	0.007	< 0.100		0.402	0.400	100.6	50.0	150	
Spinosad	0.000	< 0.100		0.350	0.388	90.1	50.0	150	
Spiromesifen	0.000	< 0.100		0.386	0.400	96.6	60.0	120	
Spirotetramat	0.006	< 0.100		0.374	0.400	93.6	60.0	120	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

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:** 2407457

Matrix Spike/Matrix Spike Duplicate Recoveries **Sample ID: 24-010641-0001**

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.849	0.906	1.000	6.5%	< 30	84.9%	90.6%	50 - 150	
Acephate	0.000	0.656	0.645	0.800	1.8%	< 30	82.1%	80.6%	50 - 150	
Acequinocyl	0.000	3.375	0.393	4.000	158.3%	< 30	84.4%	9.8%	50 - 150	R,Q
Acetamiprid	0.000	0.356	0.359	0.400	0.7%	< 30	89.0%	89.7%	50 - 150	
Aldicarb	0.000	0.640	0.649	0.800	1.4%	< 30	80.0%	81.1%	50 - 150	
Azoxystrobin	0.000	0.329	0.319	0.400	3.4%	< 30	82.4%	79.6%	50 - 150	
Bifenazate	0.000	0.346	0.336	0.400	2.9%	< 30	86.5%	84.0%	50 - 150	
Bifenthrin	0.000	0.292	0.190	0.400	42.3%	< 30	73.1%	47.6%	50 - 150	R,Q
Boscalid	0.000	0.643	0.662	0.800	2.9%	< 30	80.4%	82.7%	50 - 150	
Carbaryl	0.000	0.320	0.324	0.400	1.4%	< 30	79.9%	81.0%	50 - 150	
Carbofuran	0.000	0.327	0.334	0.400	2.0%	< 30	81.8%	83.5%	50 - 150	
Chlorantraniliprole	0.000	0.324	0.335	0.400	3.3%	< 30	81.0%	83.7%	50 - 150	
Chlorfenapyr	0.000	1.340	1.555	2.000	14.9%	< 30	67.0%	77.8%	50 - 150	
Chlorpyrifos	0.000	0.323	0.357	0.400	9.8%	< 30	80.8%	89.2%	50 - 150	
Clofentezine	0.000	0.321	0.304	0.400	5.5%	< 30	80.3%	76.0%	50 - 150	
Cyfluthrin	0.000	1.595	1.611	2.000	1.0%	< 30	79.7%	80.6%	30 - 150	
Cypermethrin	0.000	1.146	1.066	2.000	7.2%	< 30	57.3%	53.3%	50 - 150	
Daminozide	0.000	0.728	0.777	2.000	6.5%	< 30	36.4%	38.9%	30 - 150	
Diazinon	0.000	0.341	0.343	0.400	0.7%	< 30	85.1%	85.7%	50 - 150	
Dichlorvos	0.000	1.675	1.694	2.000	1.1%	< 30	83.7%	84.7%	50 - 150	
Dimethoate	0.000	0.347	0.360	0.400	3.7%	< 30	86.8%	90.0%	50 - 150	
Ethoprophos	0.000	0.328	0.343	0.400	4.5%	< 30	81.9%	85.7%	50 - 150	
Etofenprox	0.000	0.519	0.372	0.800	33.0%	< 30	64.9%	46.5%	50 - 150	R,Q
Etoxazole	0.000	0.354	0.345	0.400	2.4%	< 30	88.4%	86.2%	50 - 150	
Fenoxycarb	0.000	0.327	0.322	0.400	1.6%	< 30	81.8%	80.5%	50 - 150	
Fenpyroximate	0.000	0.604	0.520	0.800	15.0%	< 30	75.5%	65.0%	50 - 150	
Fipronil	0.000	0.593	0.582	0.800	1.8%	< 30	74.1%	72.8%	50 - 150	
Flonicamid	0.000	0.797	0.877	1.000	9.5%	< 30	79.7%	87.7%	50 - 150	
Fludioxonil	0.000	0.711	0.742	0.800	4.3%	< 30	88.8%	92.7%	50 - 150	
Hexythiazox	0.000	0.643	0.635	1.000	1.2%	< 30	64.3%	63.5%	50 - 150	
Imazalil	0.000	0.345	0.344	0.400	0.1%	< 30	86.2%	86.1%	50 - 150	
Imidacloprid	0.000	0.611	0.636	0.800	3.9%	< 30	76.4%	79.4%	50 - 150	
Kresoxim-methyl	0.000	0.628	0.662	0.800	5.3%	< 30	78.5%	82.7%	50 - 150	
Malathion	0.000	0.347	0.368	0.400	5.8%	< 30	86.9%	92.1%	50 - 150	
Metalaxyl	0.000	0.329	0.312	0.400	5.2%	< 30	82.2%	78.0%	50 - 150	
Methiocarb	0.000	0.324	0.329	0.400	1.7%	< 30	80.9%	82.3%	50 - 150	
Methomyl	0.000	0.689	0.707	0.800	2.5%	< 30	86.1%	88.3%	50 - 150	
MGK-264	0.000	0.306	0.297	0.400	2.7%	< 30	76.4%	74.4%	50 - 150	
Myclobutanil	0.000	0.325	0.305	0.400	6.5%	< 30	81.3%	76.2%	50 - 150	
Naled	0.000	0.746	0.726	1.000	2.7%	< 30	74.6%	72.6%	50 - 150	
Oxamyl	0.000	1.764	1.925	2.000	8.7%	< 30	88.2%	96.2%	50 - 150	
Paclobutrazole	0.000	0.620	0.605	0.800	2.5%	< 30	77.5%	75.6%	50 - 150	
Parathion-Methyl	0.000	0.217	0.235	0.400	7.9%	< 30	54.3%	58.8%	30 - 150	
Permethrin	0.000	0.281	0.261	0.400	7.3%	< 30	70.1%	65.2%	50 - 150	
Phosmet	0.000	0.318	0.305	0.400	4.3%	< 30	79.5%	76.2%	50 - 150	
Piperonyl butoxide	0.000	1.713	1.713	2.000	0.0%	< 30	85.7%	85.6%	50 - 150	
Prallethrin	0.000	0.283	0.275	0.400	2.9%	< 30	70.7%	68.7%	50 - 150	
Propiconazole	0.000	0.618	0.637	0.800	3.0%	< 30	77.3%	79.6%	50 - 150	
Propoxur	0.000	0.323	0.331	0.400	2.6%	< 30	80.6%	82.8%	50 - 150	
Pyrethrin (Summe)	0.000	0.196	0.226	0.488	14.2%	< 30	71.5%	82.5%	50 - 150	
Pyridaben	0.000	0.252	0.242	0.400	3.9%	< 30	63.0%	60.6%	50 - 150	
Spinosad	0.000	0.312	0.302	0.388	3.4%	< 30	80.4%	77.8%	50 - 150	
Spiromesifen	0.000	0.232	0.218	0.400	6.4%	< 30	58.1%	54.5%	50 - 150	
Spirotetramat	0.000	0.337	0.328	0.400	2.8%	< 30	84.2%	81.9%	50 - 150	

Columbia LABORATORIES
A Tentamus Company

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

Report Number:	24-010742/D007.R001
Report Date:	10/02/2024
ORELAP#:	OR100028
Purchase Order:	
Received:	09/24/24 11:17

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 24-010742/D007.R001
Report Date: 10/02/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/24/24 11:17

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	Quantitaion 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.