Columbia LABORATORIES
A Tentamus Company

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

Report Number: 25-011744/D005.R000
Report Date: 10/27/2025
ORELAP#: OR100028
Purchase Order:
Received: 10/01/25 09:46

Customer: The Hemp Collect
2014 SE 9th Ave
Portland Oregon 97214
United States of America (USA)

Product identity: Live D9 Caramel,Knockout, Naturally Derived
Metrc ID: .
Material: Cannabinoid Edible
Laboratory ID: 25-011744-0001
Evidence of Cooling: No
Temp: 20.9 °C
Lot #: 5005SH_100125
Serving Size #1: 18 g

THE HEMP COLLECT

Sample Results

Potency

Method: J AOAC 2015 V98-6 (mod)þ **Batch:** 2507279 **Analyze:** 10/03/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
CBD⊥	< LOQ	%	0.0071		< LOQ	mg/18g	1.3
CBD-A⊥	0.0122	%	0.0071		2.20	mg/18g	1.3
CBD-Total⊥	< LOQ	%	0.0133		< LOQ	mg/18g	2.40
CBG	0.00744	%	0.0071		1.34	mg/18g	1.3
CBG-A	< LOQ	%	0.0071		< LOQ	mg/18g	1.3
CBG-Total	< LOQ	%	0.0132		< LOQ	mg/18g	2.38
CBN	0.0623	%	0.0071		11.2	mg/18g	1.3
Δ10-THC-9R	< LOQ	%	0.0071		< LOQ	mg/18g	1.3
Δ10-THC-9S	< LOQ	%	0.0071		< LOQ	mg/18g	1.3
Δ10-THC-Total	< LOQ	%	0.0142		< LOQ	mg/18g	2.55
Δ8-THC⊥	< LOQ	%	0.0071		< LOQ	mg/18g	1.3
Δ9-THC⊥	0.228	%	0.0071		41.1	mg/18g	1.3
Δ9-THC-A⊥	< LOQ	%	0.0071		< LOQ	mg/18g	1.3
Δ9-THC-Total⊥	0.228	%	0.0133		41.0	mg/18g	2.40
Total Cannabinoids	0.310	%			55.8	mg/18g	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Salmonella spp.⊥	Negative		/25g		2507665	10/22/25	AOAC 2020.02þ		
EHEC including STEC⊥	Negative		/25g		2507666	10/22/25	AOAC 2020.06þ		

Solvents

Method: Residual Solvents by HS-GC-MSþ **Units** µg/g **Batch** 2507764 **Analyze:** 10/23/25

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		

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Solvents

Method: Residual Solvents by HS-GC-MS[b] **Units** µg/g **Batch** 2507764 **Analyze:** 10/23/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
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	

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2507725 **Analyze:** 10/22/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.200	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos-ethyl	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (sum)	< LOQ	1.0	0.500	pass	
Cypermethrin (sum)	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Flonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-methyl	< LOQ	0.20	0.100	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass	

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Purchase Order:
Received: 10/01/25 09:46

Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2507725 **Analyze:** 10/22/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Thiacloprid ⊥	< LOQ	0.20	0.100	pass		Thiamethoxam ⊥	< LOQ	0.20	0.100	pass	
Trifloxystrobin ⊥	< LOQ	0.20	0.100	pass							

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic ⊥	< LOQ	0.200	mg/kg	0.0140	2507791	10/23/25	AOAC 2013.06 (mod.)þ	pass	
Cadmium ⊥	< LOQ	0.200	mg/kg	0.0140	2507791	10/23/25	AOAC 2013.06 (mod.)þ	pass	
Lead ⊥	< LOQ	0.500	mg/kg	0.0140	2507791	10/23/25	AOAC 2013.06 (mod.)þ	pass	
Mercury ⊥	< LOQ	0.100	mg/kg	0.00701	2507791	10/23/25	AOAC 2013.06 (mod.)þ	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B1 ⊥	< LOQ		µg/kg	5.00	2507801	10/24/25	Mycotoxins by AOAC 2007.01		
Aflatoxin B2 ⊥	< LOQ		µg/kg	5.00	2507801	10/24/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G1 ⊥	< LOQ		µg/kg	5.00	2507801	10/24/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G2 ⊥	< LOQ		µg/kg	5.00	2507801	10/24/25	Mycotoxins by AOAC 2007.01		
Ochratoxin A	< LOQ	20.0	µg/kg	5.00	2507801	10/24/25	Mycotoxins by AOAC 2007.01þ	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		10/27/25	Mycotoxins by AOAC 2007.01þ	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.

Threshold Note: OAR 333-007-0400

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

Units of Measure

/25g = Per 25g
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/kg = Milligram per kilogram = parts per million (ppm)
% = Percentage of sample
mg/18g = Milligram per 18g
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

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Columbia LABORATORIES
A Tentamus Company

Hemp & Cannabis
Chain of Custody

The-Hemp-Collect-1759271099

Company Details
Company: The Hemp Collect
Contact: Cris Kingsland
Street Address: 2014 SE 9th
City, State, Zip: Portland, OR 97214
Email: coas@thehempcollect.com
Contact Phone: 7707220962

Billing Information
Billing Email: accounting@thehempcollect.com

Project Details
Turnaround Time: 4 Business Days | Surcharges Apply
Relinquishment | Sampling, Courier & Shipping Options: By Shipping Service (USPS, UPS, Fedex)
Additional Comments for Project: will be requesting further test after reviewing potency.
Receipt Information
Evidence of Cooling?: No
Sample Condition: Satisfactory
Prelog Storage: Canna Shelves

#	Sample Name	Lot | Additional Sample ID	Material	Amount Provided	Reporting Unit	Serving Size	Testing H
1	Live D9 Caramel,Knockout, Naturally Derived	5005SH_100125	Cannabinoid Edible	72 g	mg/g & mg/serving	18 g	✓
2	Live D9 Caramel, Anytime, Naturally Derived	5004SH_100125	Cannabinoid Edible	72 g	mg/g & mg/serving	18 g	✓

Relinquished By	Date	Time
Cris Kingsland	09|30|2025	15:24

Received By	Date	Time	Received Temp., °C	IR Therm. CL#
rbs	10|01|2025	09:46	20.90	CL-0530

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
12423 NE Whitaker Way
Portland, OR 97230

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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: 2507279**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0281	0.0274	%	102	80.0 - 120	Acceptable	
CBDV	2	0.0296	0.0288	%	103	80.0 - 120	Acceptable	
CBE	2	0.0316	0.0312	%	101	80.0 - 120	Acceptable	
CBDA	1	0.0282	0.0257	%	110	90.0 - 110	Acceptable	
CBGA	1	0.0299	0.0292	%	102	80.0 - 120	Acceptable	
CBG	1	0.0273	0.0272	%	100	80.0 - 120	Acceptable	
CBD	1	0.0287	0.0270	%	106	90.0 - 110	Acceptable	
THCV	2	0.0302	0.0296	%	102	80.0 - 120	Acceptable	
d8THCV	2	0.0304	0.0298	%	102	80.0 - 120	Acceptable	
THCVA	2	0.0269	0.0260	%	103	80.0 - 120	Acceptable	
CBN	1	0.0288	0.0274	%	105	80.0 - 120	Acceptable	
exo-THC	2	0.0274	0.0272	%	101	80.0 - 120	Acceptable	
d9THC	1	0.0315	0.0295	%	107	90.0 - 110	Acceptable	
d8THC	1	0.0280	0.0271	%	103	90.0 - 110	Acceptable	
9S-d10THC	1	0.0319	0.0303	%	105	80.0 - 120	Acceptable	
CBL	2	0.0294	0.0282	%	104	80.0 - 120	Acceptable	
9R-d10THC	1	0.0318	0.0301	%	105	80.0 - 120	Acceptable	
CBC	2	0.0302	0.0298	%	102	80.0 - 120	Acceptable	
THCA	1	0.0334	0.0317	%	105	90.0 - 110	Acceptable	
CBCA	2	0.0288	0.0279	%	103	80.0 - 120	Acceptable	
CBLA	2	0.0282	0.0277	%	102	80.0 - 120	Acceptable	
d9THCP	2	0.0278	0.0271	%	103	80.0 - 120	Acceptable	
CBT	2	0.0301	0.0291	%	103	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBDV	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBE	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBDA	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBGA	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBG	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBD	<LOQ	0.00709	%	< 0.00709	Acceptable	
THCV	<LOQ	0.00709	%	< 0.00709	Acceptable	
d8THCV	<LOQ	0.00709	%	< 0.00709	Acceptable	
THCVA	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBN	<LOQ	0.00709	%	< 0.00709	Acceptable	
exo-THC	<LOQ	0.00709	%	< 0.00709	Acceptable	
d9THC	<LOQ	0.00709	%	< 0.00709	Acceptable	
d8THC	<LOQ	0.00709	%	< 0.00709	Acceptable	
9S-d10THC	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBL	<LOQ	0.00709	%	< 0.00709	Acceptable	
9R-d10THC	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBC	<LOQ	0.00709	%	< 0.00709	Acceptable	
THCA	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBCA	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBLA	<LOQ	0.00709	%	< 0.00709	Acceptable	
d9THCP	<LOQ	0.00709	%	< 0.00709	Acceptable	
CBT	<LOQ	0.00709	%	< 0.00709	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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Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2507279**

Sample Duplicate Sample ID: **25-011637-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00707	%	NA	< 10	Acceptable	
CBGA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBG	0.00866	0.00814	0.00707	%	6.19	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00707	%	NA	< 10	Acceptable	
THCV	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
d9THC	0.269	0.268	0.00707	%	0.400	< 10	Acceptable	
d8THC	<LOQ	<LOQ	0.00707	%	NA	< 10	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00707	%	NA	< 10	Acceptable	
CBCA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00707	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00707	%	NA	< 20	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: 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:** 2507725

Method Blank				Laboratory Control Sample					
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**		**Notes**
Abamectin	0.000	< 0.070		0.229	0.280	81.7	50.0	150	
Acephate	0.005	< 0.020		0.073	0.080	91.6	60.0	120	
Acequinocyl	0.003	< 0.020		0.063	0.080	78.5	40.0	160	
Acetamiprid	0.000	< 0.020		0.071	0.080	89.3	60.0	120	
Aldicarb	0.000	< 0.100		0.363	0.400	90.8	60.0	120	
Azoxystrobin	0.001	< 0.010		0.036	0.040	89.0	60.0	120	
Bifenazate	0.000	< 0.010		0.038	0.040	93.9	60.0	120	
Bifenthrin	0.003	< 0.100		0.338	0.400	84.4	50.0	150	
Boscalid	0.001	< 0.010		0.037	0.040	93.3	60.0	120	
Carbaryl	0.003	< 0.020		0.073	0.080	90.7	60.0	120	
Carbofuran	0.000	< 0.010		0.035	0.040	88.3	60.0	120	
Chlorantraniliprole	0.000	< 0.010		0.034	0.040	85.1	60.0	120	
Chlorfenapyr	0.024	< 0.050		0.145	0.200	72.4	60.0	120	
Chlorpyrifos	0.000	< 0.010		0.036	0.040	89.6	60.0	120	
Clofentezine	0.001	< 0.010		0.034	0.040	84.8	60.0	120	
Cyfluthrin	0.018	< 0.200		0.651	0.800	81.4	50.0	150	
Cypermethrin	0.012	< 0.200		0.689	0.800	86.1	50.0	150	
Daminozide	0.000	< 0.050		0.065	0.200	***32.7***	60.0	120	**Q7**
Diazinon	0.000	< 0.010		0.034	0.040	85.2	60.0	120	
Dichlorvos	0.004	< 0.050		0.184	0.200	91.9	60.0	120	
Dimethoate	0.001	< 0.010		0.034	0.040	85.8	60.0	120	
Ethoprophos	0.000	< 0.010		0.033	0.040	82.8	60.0	120	
Etofenprox	0.000	< 0.010		0.033	0.040	83.2	50.0	150	
Etoxazole	0.001	< 0.010		0.034	0.040	84.1	60.0	120	
Fenoxycarb	0.000	< 0.010		0.033	0.040	83.4	60.0	120	
Fenpyroximate	0.004	< 0.020		0.067	0.080	84.3	60.0	120	
Fipronil	0.001	< 0.010		0.032	0.040	80.9	60.0	120	
Flonicamid	0.001	< 0.020		0.066	0.080	81.9	60.0	120	
Fludioxonil	0.000	< 0.010		0.034	0.040	83.8	50.0	150	
Hexythiazox	0.000	< 0.010		0.031	0.040	76.7	60.0	120	
Imazalil	0.000	< 0.010		0.036	0.040	90.2	60.0	120	
Imidacloprid	0.000	< 0.010		0.036	0.040	89.4	60.0	120	
Kresoxim-methyl	0.000	< 0.010		0.033	0.040	83.3	60.0	120	
Malathion	0.000	< 0.010		0.033	0.040	81.7	60.0	120	
Metalaxyl	0.000	< 0.010		0.040	0.040	98.9	60.0	120	
Methiocarb	0.001	< 0.010		0.036	0.040	89.8	60.0	120	
Methomyl	0.000	< 0.020		0.076	0.080	95.1	60.0	120	
MGK-264	0.004	< 0.050		0.172	0.200	86.0	50.0	150	
Myclobutanil	0.003	< 0.010		0.036	0.040	90.5	60.0	120	
Naled	0.006	< 0.100		0.348	0.400	87.1	50.0	150	
Oxamyl	0.006	< 0.200		0.750	0.800	93.7	60.0	120	
Paclobutrazole	0.000	< 0.010		0.036	0.040	89.6	60.0	120	
Parathion-Methyl	0.000	< 0.030		0.106	0.120	88.4	50.0	150	
Permethrin	0.000	< 0.040		0.130	0.160	81.1	50.0	150	
Phosmet	0.000	< 0.010		0.036	0.040	89.6	50.0	150	
Piperonyl butoxide	0.013	< 0.200		0.692	0.800	86.5	60.0	120	
Prallethrin	0.007	< 0.050		0.176	0.200	88.1	60.0	120	
Propiconazole	0.002	< 0.010		0.032	0.040	80.7	60.0	120	
Propoxur	0.000	< 0.010		0.035	0.040	88.4	60.0	120	
Pyrethrin (Summe)	0.002	< 0.100		0.089	0.100	88.9	60.0	120	
Pyridaben	0.003	< 0.020		0.066	0.080	82.8	50.0	150	
Spinosad	0.000	< 0.100		0.034	0.040	85.4	50.0	150	
Spiromesifen	0.000	< 0.030		0.096	0.120	80.3	60.0	120	
Spirotetramat	0.000	< 0.010		0.035	0.040	88.7	60.0	120	
Spiroxamine	0.001	< 0.010		0.034	0.040	85.5	60.0	120	

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503-254-1794

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 **Units:** mg/Kg **Batch ID:** 2507725

Matrix Spike/Matrix Spike Duplicate Recoveries **Sample ID: 25-011744-0001**

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.019	0.244	0.243	0.280	0.3%	< 30	80.2%	79.9%	50 - 150	
Acephate	0.000	0.075	0.072	0.080	4.4%	< 30	94.1%	90.1%	50 - 150	
Acequinocyl	0.000	0.077	0.077	0.080	0.1%	< 30	96.1%	96.0%	50 - 150	
Acetamiprid	0.000	0.073	0.068	0.080	6.4%	< 30	91.0%	85.3%	50 - 150	
Aldicarb	0.000	0.352	0.349	0.400	0.9%	< 30	88.0%	87.2%	50 - 150	
Azoxystrobin	0.001	0.035	0.035	0.040	0.9%	< 30	85.2%	84.4%	50 - 150	
Bifenazate	0.000	0.032	0.033	0.040	2.1%	< 30	78.8%	80.5%	50 - 150	
Bifenthrin	0.002	0.332	0.314	0.400	5.6%	< 30	82.5%	78.0%	50 - 150	
Boscalid	0.001	0.036	0.037	0.040	2.6%	< 30	87.4%	89.7%	50 - 150	
Carbaryl	0.003	0.078	0.070	0.080	12.1%	< 30	94.6%	83.8%	50 - 150	
Carbofuran	0.000	0.036	0.033	0.040	7.3%	< 30	88.8%	82.5%	50 - 150	
Chlorantraniliprole	0.000	0.035	0.031	0.040	10.3%	< 30	86.9%	78.4%	50 - 150	
Chlorfenapyr	0.000	0.115	0.089	0.200	25.0%	< 30	57.3%	44.6%	50 - 150	Q
Chlorpyrifos	0.000	0.032	0.031	0.040	1.3%	< 30	79.4%	78.4%	50 - 150	
Clofentezine	0.001	0.032	0.031	0.040	3.4%	< 30	77.4%	74.8%	50 - 150	
Cyfluthrin	0.002	0.640	0.498	0.800	25.1%	< 30	79.7%	62.0%	30 - 150	
Cypermethrin	0.000	0.677	0.632	0.800	7.0%	< 30	84.7%	79.0%	50 - 150	
Daminozide	0.000	0.078	0.069	0.200	12.8%	< 30	39.0%	34.3%	30 - 150	
Diazinon	0.000	0.036	0.033	0.040	8.3%	< 30	90.2%	83.0%	50 - 150	
Dichlorvos	0.006	0.170	0.175	0.200	2.8%	< 30	82.3%	84.6%	50 - 150	
Dimethoate	0.000	0.036	0.034	0.040	5.3%	< 30	89.1%	84.5%	50 - 150	
Ethoprophos	0.001	0.033	0.033	0.040	0.9%	< 30	80.0%	80.7%	50 - 150	
Etofenprox	0.000	0.035	0.033	0.040	6.4%	< 30	87.1%	81.7%	50 - 150	
Etoxazole	0.001	0.036	0.033	0.040	8.4%	< 30	87.4%	80.3%	50 - 150	
Fenoxycarb	0.000	0.036	0.035	0.040	1.6%	< 30	89.2%	87.9%	50 - 150	
Fenpyroximate	0.004	0.064	0.059	0.080	8.1%	< 30	74.8%	68.9%	50 - 150	
Fipronil	0.000	0.032	0.033	0.040	2.1%	< 30	80.1%	81.9%	50 - 150	
Flonicamid	0.000	0.067	0.061	0.080	9.5%	< 30	83.6%	76.0%	50 - 150	
Fludioxonil	0.000	0.035	0.033	0.040	6.3%	< 30	88.6%	83.1%	50 - 150	
Hexythiazox	0.000	0.036	0.034	0.040	3.6%	< 30	88.7%	85.5%	50 - 150	
Imazalil	0.000	0.038	0.030	0.040	24.8%	< 30	95.3%	74.3%	50 - 150	
Imidacloprid	0.000	0.039	0.033	0.040	15.3%	< 30	96.5%	82.8%	50 - 150	
Kresoxim-methyl	0.000	0.033	0.031	0.040	6.6%	< 30	81.8%	76.6%	50 - 150	
Malathion	0.000	0.034	0.030	0.040	11.2%	< 30	84.0%	75.1%	50 - 150	
Metalaxyl	0.000	0.037	0.035	0.040	4.5%	< 30	91.9%	87.9%	50 - 150	
Methiocarb	0.001	0.036	0.034	0.040	5.8%	< 30	87.1%	82.2%	50 - 150	
Methomyl	0.002	0.072	0.070	0.080	2.7%	< 30	87.9%	85.6%	50 - 150	
MGK-264	0.003	0.174	0.161	0.200	8.1%	< 30	85.3%	78.6%	50 - 150	
Myclobutanil	0.002	0.036	0.036	0.040	0.1%	< 30	84.8%	84.9%	50 - 150	
Naled	0.000	0.349	0.330	0.400	5.5%	< 30	87.2%	82.5%	50 - 150	
Oxamyl	0.000	0.690	0.700	0.800	1.4%	< 30	86.3%	87.5%	50 - 150	
Paclobutrazole	0.000	0.037	0.037	0.040	1.2%	< 30	93.0%	91.9%	50 - 150	
Parathion-Methyl	0.012	0.122	0.108	0.120	13.5%	< 30	91.5%	79.9%	30 - 150	
Permethrin	0.000	0.138	0.123	0.160	11.5%	< 30	86.3%	76.9%	50 - 150	
Phosmet	0.000	0.035	0.033	0.040	6.6%	< 30	88.0%	82.4%	50 - 150	
Piperonyl butoxide	0.014	0.662	0.667	0.800	0.8%	< 30	80.9%	81.6%	50 - 150	
Prallethrin	0.006	0.174	0.165	0.200	5.2%	< 30	83.9%	79.6%	50 - 150	
Propiconazole	0.001	0.035	0.032	0.040	6.7%	< 30	84.6%	79.1%	50 - 150	
Propoxur	0.000	0.036	0.035	0.040	2.7%	< 30	88.7%	86.3%	50 - 150	
Pyrethrin (Summe)	0.000	0.087	0.064	0.100	31.1%	< 30	87.5%	63.9%	50 - 150	R
Pyridaben	0.003	0.061	0.065	0.080	6.2%	< 30	73.1%	77.7%	50 - 150	
Spinosad	0.000	0.033	0.031	0.040	5.1%	< 30	82.5%	78.4%	50 - 150	
Spiromesifen	0.000	0.104	0.098	0.120	6.5%	< 30	87.1%	81.6%	50 - 150	
Spirotetramat	0.000	0.035	0.033	0.040	6.1%	< 30	88.1%	82.9%	50 - 150	
Spiroxamine	0.001	0.035	0.033	0.040	5.0%	< 30	84.9%	80.8%	50 - 150	

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Portland, OR 97230
503-254-1794

Report Number: 25-011744/D005.R000
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Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2507764

Method Blank					Laboratory Control Sample					
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**	**Notes**
1,1,1-Trichloroethane	ND	<	5		6.33	5	µg/g	126.6	50-150	
1,1-Dichloroethane	ND	<	1		1.28	1	µg/g	128.0	50-150	
1,2-Dichloroethene,cis-	ND	<	1		1.22	1	µg/g	122.0	50-150	
1,4-Dioxane	ND	<	100		573	496	µg/g	115.5	60-120	
1-Propanol	ND	<	500		2110	1690	µg/g	124.9	50-150	
2,2-Dimethylbutane	ND	<	30		201	172	µg/g	116.9	60-120	
2,2-Dimethylpropane	ND	<	200		967	956	µg/g	101.2	60-120	
2,3-Dimethylbutane	ND	<	30		212	173	µg/g	122.5	60-120	Q1
2-Butanol	ND	<	200		1810	1610	µg/g	112.4	60-120	
2-Ethoxyethanol	ND	<	30		160	177	µg/g	90.4	60-120	
2-Methylbutane	ND	<	200		1990	1630	µg/g	122.1	60-120	Q1
2-Methylpentane	ND	<	30		184	164	µg/g	112.2	60-120	
2-Propanol	ND	<	200		1780	1610	µg/g	110.6	60-120	
3-Methylpentane	ND	<	30		209	183	µg/g	114.2	60-120	
Acetone	ND	<	200		1800	1620	µg/g	111.1	60-120	
Acetonitrile	ND	<	100		602	493	µg/g	122.1	60-120	Q1
Anisole	ND	<	500		1420	1680	µg/g	84.5	50-150	
Benzene	ND	<	1		1.21	1	µg/g	121.0	50-150	
Butane	ND	<	200		828	769	µg/g	107.7	60-120	
Chlorobenzene	ND	<	1		1.2	1	µg/g	120.0	50-150	
Chloroform	ND	<	1		1.25	1	µg/g	125.0	50-150	
Cumene	ND	<	30		215	174	µg/g	123.6	60-120	Q1
Cyclohexane	ND	<	200		1810	1630	µg/g	111.0	60-120	
Dichloromethane	ND	<	1		1.23	1	µg/g	123.0	50-150	
Ethanol	ND	<	200		1970	1630	µg/g	120.9	60-120	Q1
Ethyl acetate	ND	<	200		1810	1630	µg/g	111.0	60-120	
Ethyl Ether	ND	<	200		1810	1620	µg/g	111.7	60-120	
Ethyl Formate	ND	<	500		1320	1680	µg/g	78.6	50-150	
Ethylbenzene	ND	<	200		1080	976	µg/g	110.7	60-120	
Ethylene Glycol	ND	<	200		361	484	µg/g	74.6	60-120	
Ethylene Oxide	ND	<	1		1.35	1	µg/g	135.0	50-150	
Heptane	ND	<	200		1490	1600	µg/g	93.1	60-120	
Hexane	ND	<	30		193	172	µg/g	112.2	60-120	
Isobutane	ND	<	200		815	770	µg/g	105.8	60-120	
Isopropyl Acetate	ND	<	200		1450	1610	µg/g	90.1	60-120	
m,p-Xylene	ND	<	200		1090	988	µg/g	110.3	60-120	
Methanol	ND	<	200		1980	1650	µg/g	120.0	60-120	Q1
Methyl Acetate	ND	<	500		1820	1650	µg/g	110.3	50-150	
o-Xylene	ND	<	200		1060	975	µg/g	108.7	60-120	
Pentane	ND	<	200		1950	1610	µg/g	121.1	60-120	Q1
Propane	ND	<	200		575	585	µg/g	98.3	60-120	
Propyl Acetate	ND	<	500		1360	1660	µg/g	81.9	50-150	
Sulfolane	ND	<	50		60.8	220	µg/g	27.6	50-150	Q7
Tetrahydrofuran	ND	<	100		529	486	µg/g	108.8	60-120	
Toluene	ND	<	100		543	485	µg/g	112.0	60-120	

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QC - Sample Duplicate **Sample ID: 25-012461-0003**

Analyte	SR Result	SD Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
1,1,1-Trichloroethane	ND	ND	5	µg/g	0.0	< 20	Acceptable	
1,1-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethene,cis-	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Propanol	593	718	200	µg/g	19.1	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Chlorobenzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Sulfolane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g- Microgram per gram or ppm

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503-254-1794

Report Number: 25-011744/D005.R000
Report Date: 10/27/2025
ORELAP#: OR100028
Purchase Order:
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Explanation of QC Flag Comments:

Code	Explanation
A	This analysis was performed on a VOA sample containing headspace.
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.
B3	Dilution water blank of BOD was above the recommended limit; associated samples could be high biased.
CP	Client provided value.
CV	Calculated value.
E	Analyte concentration exceeds the calibration range, results are estimated.
E1	Estimated value.
E2	Estimated value. Matrix interference observed.
H	Holding time was exceeded.
J	Estimated value, above the detection limit and below the LOQ
I	Insufficient sample received to meet method requirements.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitaion level raised due to matrix interference.
LOQ3	< LOQ could be due to potential inhibition.
N1	See case narrative
P	Not preserved to the proper pH
P1	Storage temperature out of control
P2	Incubator temperature out of control
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.
Q7	Quality control outside QC limits.
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.
RE	Re-extracted and/or re-analyzed.
REH	The original analysis was within holding time; re-analysis past holding time.
S	Surrogate recovery outside control limit.
T	Tentatively Identified Compound (TIC) by library search.
T1	Confirmed by secondary ion
W	Results are reported on dry weight basis.

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