Columbia LABORATORIES
A Tentamus Company

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

Report Number: 25-015039/D001.R001
Report Date: 12/29/2025
ORELAP#: OR100028
Purchase Order:
Received: 12/10/25 10:21

This is an amended version of report# 25-015039/D001.R000.
Reason: Additional testing included.

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

Product identity: Live D9, Sativa, Strawberry Rhubarb, 20mg
Metrc ID: .
Material: Cannabinoid Edible
Laboratory ID: 25-015039-0001
Evidence of Cooling: No
Temp: 21.1 °C
Lot #: 3029.1NC_120825
Serving Size #1: 8 g

THE HEMP COLLECT

Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)[þ] **Batch:** 2509130 **Analyze:** 12/11/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
CBC	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBC-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBC-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.05
CBD[⊥]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBD-A[⊥]	0.0142	%	0.0070		1.13	mg/8g	0.56
CBD-Total[⊥]	< LOQ	%	0.0132		< LOQ	mg/8g	1.05
CBDV	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBDV-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBDV-Total	< LOQ	%	0.0131		< LOQ	mg/8g	1.05
CBE	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBG	0.156	%	0.0070		12.5	mg/8g	0.56
CBG-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBG-Total	0.156	%	0.0131		12.5	mg/8g	1.05
CBL	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBL-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBL-Total	< LOQ	%	0.0132		< LOQ	mg/8g	1.05
CBN	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
CBT	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ10-THC-9R	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ10-THC-9S	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ10-THC-Total	< LOQ	%	0.0140		< LOQ	mg/8g	1.12
Δ8-THC[⊥]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ8-THCV	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ9-THC[⊥]	0.282	%	0.0070		22.5	mg/8g	0.56
Δ9-THC-A[⊥]	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ9-THC-Total[⊥]	0.282	%	0.0132		22.6	mg/8g	1.05
Δ9-THCP	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ9-THCV	< LOQ	%	0.0070		< LOQ	mg/8g	0.56

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Potency

Method: J AOAC 2015 V98-6 (mod)Þ **Batch:** 2509130 **Analyze:** 12/11/25

Analyte	Result	Units	LOQ	Notes	Serving Size #1 Result	Units	LOQ
Δ9-THCV-A	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Δ9-THCV-Total	< LOQ	%	0.0131		< LOQ	mg/8g	1.05
exo-THC	< LOQ	%	0.0070		< LOQ	mg/8g	0.56
Total Cannabinoids	0.452	%			36.2	mg/8g	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Salmonella spp.⊥	Negative		/25g		2509314	12/20/25	AOAC 2020.02Þ		
EHEC including STEC⊥	Negative		/25g		2509315	12/20/25	AOAC 2020.06Þ		

Solvents

Method: Residual Solvents by HS-GC-MSÞ **Units** µg/g **Batch** 2509341 **Analyze:** 12/19/25

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		
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** 2509391 **Analyze:** 12/22/25

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	

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Pesticides

Method: AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2509391 **Analyze:** 12/22/25

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
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	
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	0.0196	2509383	12/22/25	AOAC 2013.06 (mod.)þ	pass	
Cadmium ⊥	< LOQ	0.200	mg/kg	0.0196	2509383	12/22/25	AOAC 2013.06 (mod.)þ	pass	
Lead ⊥	< LOQ	0.500	mg/kg	0.0196	2509383	12/22/25	AOAC 2013.06 (mod.)þ	pass	
Mercury ⊥	< LOQ	0.100	mg/kg	0.00981	2509383	12/22/25	AOAC 2013.06 (mod.)þ	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Aflatoxin B1 ⊥	< LOQ		µg/kg	5.00	2509481	12/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin B2 ⊥	< LOQ		µg/kg	5.00	2509481	12/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G1 ⊥	< LOQ		µg/kg	5.00	2509481	12/29/25	Mycotoxins by AOAC 2007.01		
Aflatoxin G2 ⊥	< LOQ		µg/kg	5.00	2509481	12/29/25	Mycotoxins by AOAC 2007.01		
Ochratoxin A ⊥	< LOQ	20.0	µg/kg	5.00	2509481	12/29/25	Mycotoxins by AOAC 2007.01	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		12/29/25	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/8g = Milligram per 8g
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

Columbia LABORATORIES
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Columbia LABORATORIES
A Tentamus Company

Hemp & Cannabis
Chain of Custody

The-Hemp-Collect-1765302675

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)

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: H0010 - Potency Cannabis (Basic+Expanded)
1	Live D9, Sativa, Strawberry Rhubarb, 20mg	3029.1NC_120825	Cannabinoid Edible	72 g	mg/g & mg/serving	8 g	✓

Relinquished By	Date	Time
Cris Kingsland	12/09/2025	09:51

Received By	Date	Time	Received Temp., °C	IR Therm. CL#	Other IR Therm. CL#
rbs	12/10/2025	10:21	21.10	Other	cl-0495

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

P: (503)254-1794
info@columbialaboratories.com

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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: 2509130**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0279	0.0279	%	99.8	80.0 - 120	Acceptable	
CBDV	2	0.0306	0.0302	%	101	80.0 - 120	Acceptable	
CBE	2	0.0307	0.0308	%	100.0	80.0 - 120	Acceptable	
CBDA	1	0.0309	0.0302	%	102	90.0 - 110	Acceptable	
CBGA	1	0.0325	0.0317	%	103	80.0 - 120	Acceptable	
CBG	1	0.0296	0.0291	%	102	80.0 - 120	Acceptable	
CBD	1	0.0283	0.0286	%	99.0	90.0 - 110	Acceptable	
THCV	2	0.0309	0.0302	%	102	80.0 - 120	Acceptable	
d8THCV	2	0.0241	0.0240	%	100	80.0 - 120	Acceptable	
THCVA	2	0.0270	0.0268	%	101	80.0 - 120	Acceptable	
CBN	1	0.0303	0.0291	%	104	80.0 - 120	Acceptable	
exo-THC	2	0.0280	0.0279	%	100	80.0 - 120	Acceptable	
d9THC	1	0.0333	0.0311	%	107	90.0 - 110	Acceptable	
d8THC	1	0.0289	0.0295	%	98.0	90.0 - 110	Acceptable	
9S-d10THC	1	0.0335	0.0325	%	103	80.0 - 120	Acceptable	
CBL	2	0.0286	0.0275	%	104	80.0 - 120	Acceptable	
9R-d10THC	1	0.0350	0.0347	%	101	80.0 - 120	Acceptable	
CBC	2	0.0299	0.0303	%	98.5	80.0 - 120	Acceptable	
THCA	1	0.0327	0.0323	%	101	90.0 - 110	Acceptable	
CBCA	2	0.0296	0.0294	%	100	80.0 - 120	Acceptable	
CBLA	2	0.0290	0.0291	%	99.6	80.0 - 120	Acceptable	
d9THCP	2	0.0282	0.0282	%	100.0	80.0 - 120	Acceptable	
CBT	2	0.0299	0.0301	%	99.4	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBDV	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBE	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBDA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBGA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBG	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBD	<LOQ	0.00707	%	< 0.00707	Acceptable	
THCV	<LOQ	0.00707	%	< 0.00707	Acceptable	
d8THCV	<LOQ	0.00707	%	< 0.00707	Acceptable	
THCVA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBN	<LOQ	0.00707	%	< 0.00707	Acceptable	
exo-THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
d9THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
d8THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
9S-d10THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBL	<LOQ	0.00707	%	< 0.00707	Acceptable	
9R-d10THC	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBC	<LOQ	0.00707	%	< 0.00707	Acceptable	
THCA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBCA	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBLA	<LOQ	0.00707	%	< 0.00707	Acceptable	
d9THCP	<LOQ	0.00707	%	< 0.00707	Acceptable	
CBT	<LOQ	0.00707	%	< 0.00707	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: 2509130**

Sample Duplicate Sample ID: **25-015039-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBDA	0.0142	0.0142	0.00699	%	0.115	< 10	Acceptable	
CBGA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBG	0.156	0.156	0.00699	%	0.0911	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00699	%	NA	< 10	Acceptable	
THCV	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
d9THC	0.282	0.282	0.00699	%	0.121	< 10	Acceptable	
d8THC	<LOQ	<LOQ	0.00699	%	NA	< 10	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00699	%	NA	< 10	Acceptable	
CBCA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00699	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00699	%	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: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2509341

Method Blank					Laboratory Control Sample					
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**	**Notes**
1,1,1-Trichloroethane	ND	<	5		4.69	5	µg/g	93.8	50-150	
1,1-Dichloroethane	ND	<	1		0.869	1	µg/g	86.9	50-150	
1,1-Dichloroethene	ND	<	1		0.869	1	µg/g	86.9	50-150	
1,2-Dichloroethene, trans-	ND	<	1		0.862	1	µg/g	86.2	50-150	
1,4-Dioxane	ND	<	100		539	509	µg/g	105.9	60-120	
1-Butanol	ND	<	500		1570	1640	µg/g	95.7	50-150	
1-Pentanol	ND	<	500		1610	1660	µg/g	97.0	50-150	
1-Propanol	ND	<	500		1620	1690	µg/g	95.9	50-150	
2,2-Dimethylbutane	ND	<	30		186	188	µg/g	98.9	60-120	
2,2-Dimethylpropane	ND	<	200		956	956	µg/g	100.0	60-120	
2,3-Dimethylbutane	ND	<	30		220	188	µg/g	117.0	60-120	
2-Butanol	ND	<	200		1950	1640	µg/g	118.9	60-120	
2-Ethoxyethanol	ND	<	30		262	188	µg/g	139.4	60-120	Q1
2-methyl-1-propanol	ND	<	500		1520	1640	µg/g	92.7	50-150	
2-Methylbutane	ND	<	200		1910	1660	µg/g	115.1	60-120	
2-Methylpentane	ND	<	30		199	189	µg/g	105.3	60-120	
2-Propanol	ND	<	200		2020	1680	µg/g	120.2	60-120	Q1
3-Methylpentane	ND	<	30		194	188	µg/g	103.2	60-120	
Acetone	ND	<	200		1880	1670	µg/g	112.6	60-120	
Acetonitrile	ND	<	100		592	511	µg/g	115.9	60-120	
Benzene	ND	<	1		0.922	1	µg/g	92.2	50-150	
Butane	ND	<	200		797	769	µg/g	103.6	60-120	
Butyl Acetate	ND	<	500		1630	1650	µg/g	98.8	50-150	
Cumene	ND	<	30		211	192	µg/g	109.9	60-120	
Cyclohexane	ND	<	200		1690	1650	µg/g	102.4	60-120	
Dichloromethane	ND	<	1		0.91	1	µg/g	91.0	50-150	
Ethanol	ND	<	200		2020	1650	µg/g	122.4	60-120	Q1
Ethyl acetate	ND	<	200		1920	1630	µg/g	117.8	60-120	
Ethyl Ether	ND	<	200		1670	1630	µg/g	102.5	60-120	
Ethyl Formate	ND	<	500		1590	1680	µg/g	94.6	50-150	
Ethylbenzene	ND	<	200		1120	996	µg/g	112.4	60-120	
Ethylene Glycol	ND	<	200		536	520	µg/g	103.1	60-120	
Ethylene Oxide	ND	<	1		0.784	1	µg/g	78.4	50-150	
Heptane	ND	<	200		1990	1630	µg/g	122.1	60-120	Q6
Hexane	ND	<	30		197	191	µg/g	103.1	60-120	
Isobutane	ND	<	200		784	770	µg/g	101.8	60-120	
Isopropyl Acetate	ND	<	200		2020	1660	µg/g	121.7	60-120	Q1
m,p-Xylene	ND	<	200		1140	1030	µg/g	110.7	60-120	
Methanol	ND	<	200		2290	1660	µg/g	138.0	60-120	Q1
Methyl Acetate	ND	<	500		1540	1650	µg/g	93.3	50-150	
Methylethylketone	ND	<	500		1570	1650	µg/g	95.2	50-150	
MTBE	ND	<	500		1530	1650	µg/g	92.7	50-150	
o-Xylene	ND	<	200		1140	996	µg/g	114.5	60-120	
Pentane	ND	<	200		1890	1630	µg/g	116.0	60-120	
Propane	ND	<	200		622	585	µg/g	106.3	60-120	
Tetrahydrofuran	ND	<	100		523	519	µg/g	100.8	60-120	
Toluene	ND	<	100		556	518	µg/g	107.3	60-120	

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 25-015039/D001.R001
Report Date: 12/29/2025
ORELAP#: OR100028
Purchase Order:
Received: 12/10/25 10:21

QC - Sample Duplicate **Sample ID: 25-013545-0002**

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	
1,1-Dichloroethene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethene, trans-	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	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-methyl-1-propanol	ND	ND	500	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	ND	ND	200	µg/g	0.0	< 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	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	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	
Methylethylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
MTBE	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	
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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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.