



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

**Report Number:** 25-004123/D001.R000  
**Report Date:** 04/28/2025  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/17/25 10:32



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

**Product identity:** 5mg THC Gummy  
**Metrc ID:** UG052025  
**Metrc Source ID:**  
**Material:** Cannabinoid Edible  
**Sample Date:**  
**Laboratory ID:** 25-004123-0001  
**Evidence of Cooling:** No  
**Temp:** 17.8 °C  
**Serving Size #1:** 5 g

### Sample Results

Potency **Method:** J AOAC 2015 V98-6 (mod)<sup>b</sup> **Batch:** 2502835 **Analyze:** 2025-04-18 19:24:00

Analyte	Result	Units	LOQ	Notes	Serving Size #1		
					Result	Units	LOQ
CBC	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBC-A	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBC-Total	< LOQ	%	0.0061		< LOQ	mg/5g	0.304
CBD <sup>±</sup>	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBD-A <sup>±</sup>	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBD-Total <sup>±</sup>	< LOQ	%	0.0061		< LOQ	mg/5g	0.304
CBDV	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBDV-A	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBDV-Total	< LOQ	%	0.0061		< LOQ	mg/5g	0.303
CBE	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBG	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBG-A	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBG-Total	< LOQ	%	0.0061		< LOQ	mg/5g	0.303
CBL	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBL-A	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBL-Total	< LOQ	%	0.0061		< LOQ	mg/5g	0.304
CBN	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
CBT	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
Δ10-THC-9R	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
Δ10-THC-9S	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
Δ10-THC-Total	< LOQ	%	0.0065		< LOQ	mg/5g	0.324
Δ8-THC <sup>±</sup>	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
Δ8-THCV	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
Δ9-THC <sup>±</sup>	0.0899	%	0.0032		4.49	mg/5g	0.162
Δ9-THC-A <sup>±</sup>	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
Δ9-THC-Total <sup>±</sup>	0.0899	%	0.0061		4.50	mg/5g	0.304
Δ9-THCP	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
Δ9-THCV	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
Δ9-THCV-A	< LOQ	%	0.0032		< LOQ	mg/5g	0.162


**Potency Method: J AOAC 2015 V98-6 (mod)<sup>b</sup> Batch: 2502835 Analyze: 2025-04-18 19:24:00**

Analyte	Result	Units	LOQ	Notes	Serving Size #1		
					Result	Units	LOQ
Δ9-THCV-Total	< LOQ	%	0.0061		< LOQ	mg/5g	0.303
exo-THC	< LOQ	%	0.0032		< LOQ	mg/5g	0.162
<b>Total Cannabinoids</b>	0.0899	%			4.50	mg/5g	

**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2502795	04/20/25 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2502795	04/20/25 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2502796	04/21/25 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2502796	04/21/25 AOAC 2014.05 (RAPID)		

**Solvents Method: Residual Solvents by HS-GC-MS<sup>b</sup> Units µg/g Batch 2502867 Analyze 04/21/25 04:26 PM**

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane <sup>⊥</sup>	< LOQ	380	100	pass		2-Butanol <sup>⊥</sup>	< LOQ	5000	200	pass	
2-Ethoxyethanol <sup>⊥</sup>	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane) <sup>⊥</sup>	< LOQ		200		
2-Methylpentane <sup>⊥</sup>	< LOQ		30.0			2-Propanol (IPA) <sup>⊥</sup>	< LOQ	5000	200	pass	
2,2-Dimethylbutane <sup>⊥</sup>	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane) <sup>⊥</sup>	< LOQ		200		
2,3-Dimethylbutane <sup>⊥</sup>	< LOQ		30.0			3-Methylpentane <sup>⊥</sup>	< LOQ		30.0		
Acetone <sup>⊥</sup>	< LOQ	5000	200	pass		Acetonitrile <sup>⊥</sup>	< LOQ	410	100	pass	
Benzene <sup>⊥</sup>	< LOQ	2.00	1.00	pass		Butanes (sum) <sup>⊥</sup>	< LOQ	5000	400	pass	
Cyclohexane <sup>⊥</sup>	< LOQ	3880	200	pass		Ethyl acetate <sup>⊥</sup>	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether <sup>⊥</sup>	< LOQ	5000	200	pass	
Ethylene glycol <sup>⊥</sup>	< LOQ	620	200	pass		Ethylene oxide <sup>⊥</sup>	< LOQ	50.0	20.0	pass	
Hexanes (sum) <sup>⊥</sup>	< LOQ	290	150	pass		Isopropyl acetate <sup>⊥</sup>	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene) <sup>⊥</sup>	< LOQ	70.0	30.0	pass		m,p-Xylene <sup>⊥</sup>	< LOQ		200		
Methanol <sup>⊥</sup>	< LOQ	3000	200	pass		Methylene chloride <sup>⊥</sup>	< LOQ	600	60.0	pass	
Methylpropane (Isobutane) <sup>⊥</sup>	< LOQ		200			n-Butane <sup>⊥</sup>	< LOQ		200		
n-Heptane <sup>⊥</sup>	< LOQ	5000	200	pass		n-Hexane <sup>⊥</sup>	< LOQ		30.0		
n-Pentane <sup>⊥</sup>	< LOQ		200			o-Xylene <sup>⊥</sup>	< LOQ		200		
Pentanes (sum) <sup>⊥</sup>	< LOQ	5000	600	pass		Propane <sup>⊥</sup>	< LOQ	5000	200	pass	
Tetrahydrofuran <sup>⊥</sup>	< LOQ	720	100	pass		Toluene <sup>⊥</sup>	< LOQ	890	100	pass	
Total Xylenes <sup>⊥</sup>	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	

**Pesticides Method: AOAC 2007.01 Units mg/kg Batch 2502899 Analyze 04/24/25 11:11 AM**

Analyte	Result	Limits	Status	Notes
Multi-Residue Pesticide Profile	< LOQ for all analytes			



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**Metals**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic <sup>±</sup>	< LOQ	0.200	mg/kg	0.0172	2502896	04/22/25 AOAC 2013.06 (mod.) <sup>b</sup>	pass	
Cadmium <sup>±</sup>	< LOQ	0.200	mg/kg	0.0172	2502896	04/22/25 AOAC 2013.06 (mod.) <sup>b</sup>	pass	
Lead <sup>±</sup>	< LOQ	0.500	mg/kg	0.0172	2502896	04/22/25 AOAC 2013.06 (mod.) <sup>b</sup>	pass	
Mercury <sup>±</sup>	< LOQ	0.100	mg/kg	0.00859	2502896	04/22/25 AOAC 2013.06 (mod.) <sup>b</sup>	pass	

**Nutrition**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Moisture (Loss on Drying)	14.9		g/100g	0.10	2502919	04/22/25 AOAC 925.10 (mod.)		
Water Activity	0.676		Aw	0.030	2502901	04/22/25 AOAC 978.18		

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the 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.

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



**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/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

% = Percentage of sample

Aw = Water Activity

mg/5g = Milligram per 5g

% wt = µg/g divided by 10,000



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**Hemp & Cannabis  
Chain of Custody**

**Seventh-Hill-CBD-  
1744755785**

<b>Company Details</b> Company: <u>Seventh Hill CBD</u> Contact: <u>Jordan Dunn</u> Street Address: <u>215 South 19th Street, 215 S 19th Street</u> City, State, Zip: <u>Springfield, OR 97477</u> Email: <u>jordandunn@seventhhillcbd.com</u> Contact Phone: <u>5415912620</u> Company Phone: <u>5415912620</u>  <b>Billing Information</b> Billing Phone: <u>5415912620</u> Billing Email: <u>jordandunn@seventhhillcbd.com</u>				<b>Project Details</b> Turnaround Time: <u>5 Business Days   Reg. For Micro Testing   Standard</u> Relinquishment   Sampling, Courier & Shipping Options: <u>By Shipping Service (USPS, UPS, Fedex)</u>  <b>Receipt Information</b> Evidence of Cooling?: No Sample Condition: Satisfactory Prelog Storage: Canna Shelves			Testing CH003 - Expanded Potency + Safety Package   Edible
#	Sample Name	Material	METRC ID	Amount Provided	Reporting Unit	Specifications	
1	5mg THC Gummy	Cannabinoid Edible	UG052025	80 g	% & mg/serving	5 Grams Per Serving	✓
2	20mg CBG 5mg THC Gummy	Cannabinoid Edible	UG20052025	80 g	% & mg/serving	5 Grams Per Serving	✓
3	25mg CBD 5mg THC Gummy	Cannabinoid Edible	UG25052025	80 g	% & mg/serving	5 grams per serving	✓
4	Snooze Elderberry Gummy	Cannabinoid Edible	UG20200525	80 g	% & mg/serving	5 Gram Per Serving	✓

**Package Details**

Expanded Potency + Safety Package | Edible: Cannabis Heavy Metals Profile OR • E. coli/Coliform Count (EC) Petrifilm • Multi-Residue Pesticide Profile (Cannabis) • Potency Cannabis (Basic+Expanded) • RAPID Yeast and Mold Count (RYM) Petrifilm • Residual Solvents (Cannabis - Oregon) • Water Activity & Moisture (as Loss on Drying) Food

Relinquished By	Date	Time	Received By	Date	Time	Received Temp., °C	IR Therm. CL#
<i>Jordan Taylor Dunn</i>	<i>04/15/2025</i>	<i>15:23</i>	<i>amp</i>	<i>04/17/2025</i>	<i>10:32</i>	<i>17.8</i>	<i>CL-1196</i>

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

**Laboratory Quality Control Results**

**J AOAC 2015 V98-6** **Batch ID: 2502835**

Laboratory Control Sample										
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	2	0.0313	0.0312	%	100	80.0	- 120	Acceptable		
CBDV	2	0.0340	0.0331	%	103	80.0	- 120	Acceptable		
CBE	2	0.0322	0.0318	%	101	80.0	- 120	Acceptable		
CBDA	1	0.0374	0.0351	%	107	90.0	- 110	Acceptable		
CBGA	1	0.0354	0.0343	%	103	80.0	- 120	Acceptable		
CBG	1	0.0342	0.0336	%	102	80.0	- 120	Acceptable		
CBD	1	0.0348	0.0328	%	106	90.0	- 110	Acceptable		
THCV	2	0.0319	0.0328	%	97.3	80.0	- 120	Acceptable		
d8THCV	2	0.0326	0.0338	%	96.4	80.0	- 120	Acceptable		
THCVA	2	0.0303	0.0305	%	99.2	80.0	- 120	Acceptable		
CBN	1	0.0342	0.0332	%	103	80.0	- 120	Acceptable		
exo-THC	2	0.0307	0.0313	%	98.0	80.0	- 120	Acceptable		
d9THC	1	0.0340	0.0332	%	102	90.0	- 110	Acceptable		
d8THC	1	0.0356	0.0346	%	103	90.0	- 110	Acceptable		
9S-d10THC	1	0.0361	0.0355	%	102	80.0	- 120	Acceptable		
CBL	2	0.0299	0.0314	%	95.1	80.0	- 120	Acceptable		
9R-d10THC	1	0.0359	0.0356	%	101	80.0	- 120	Acceptable		
CBC	2	0.0326	0.0329	%	99.2	80.0	- 120	Acceptable		
THCA	1	0.0391	0.0374	%	105	90.0	- 110	Acceptable		
CBCA	2	0.0322	0.0319	%	101	80.0	- 120	Acceptable		
CBLA	2	0.0314	0.0318	%	98.6	80.0	- 120	Acceptable		
d9THCP	2	0.0316	0.0315	%	100	80.0	- 120	Acceptable		
CBT	2	0.0302	0.0329	%	92.0	80.0	- 120	Acceptable		

Method Blank							
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDVA	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBDV	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBE	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBDA	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBGA	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBG	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBD	<LOQ	0.00321	%	< 0.00321	Acceptable		
THCV	<LOQ	0.00321	%	< 0.00321	Acceptable		
d8THCV	<LOQ	0.00321	%	< 0.00321	Acceptable		
THCVA	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBN	<LOQ	0.00321	%	< 0.00321	Acceptable		
exo-THC	<LOQ	0.00321	%	< 0.00321	Acceptable		
d9THC	<LOQ	0.00321	%	< 0.00321	Acceptable		
d8THC	<LOQ	0.00321	%	< 0.00321	Acceptable		
9S-d10THC	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBL	<LOQ	0.00321	%	< 0.00321	Acceptable		
9R-d10THC	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBC	<LOQ	0.00321	%	< 0.00321	Acceptable		
THCA	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBCA	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBLA	<LOQ	0.00321	%	< 0.00321	Acceptable		
d9THCP	<LOQ	0.00321	%	< 0.00321	Acceptable		
CBT	<LOQ	0.00321	%	< 0.00321	Acceptable		

**Abbreviations**

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

**Units of Measure:**

% - Percent



**Laboratory Quality Control Results**

AOAC 2015 V98-6		Batch ID: 2502835						
Sample Duplicate		Sample ID: 25-004111-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBG	0.0110	0.0110	0.00315	%	0.277	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBN	0.0273	0.0278	0.00315	%	1.76	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
d9THC	0.498	0.505	0.00315	%	1.47	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBC	0.00501	0.00505	0.00315	%	0.966	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00315	%	NA	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**

% - Percent



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

**Laboratory Quality Control Results**

Residual Solvents				Batch ID: 2502867					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
1,2-dimethoxyethane	ND	< 50		193	194	µg/g	99.5	50-150	
1,4-Dioxane	ND	< 100		495	487	µg/g	101.6	60-120	
1-Pentanol	ND	< 500		1600	1640	µg/g	97.6	50-150	
2,2-Dimethylbutane	ND	< 30		195	182	µg/g	107.1	60-120	
2,2-Dimethylpropane	ND	< 200		842	956	µg/g	88.1	60-120	
2,3-Dimethylbutane	ND	< 30		177	184	µg/g	96.2	60-120	
2-Butanol	ND	< 200		1680	1640	µg/g	102.4	60-120	
2-Ethoxyethanol	ND	< 30		162	180	µg/g	90.0	60-120	
2-Methylbutane	ND	< 200		1700	1620	µg/g	104.9	60-120	
2-Methylpentane	ND	< 30		183	185	µg/g	98.9	60-120	
2-Propanol	ND	< 200		1650	1630	µg/g	101.2	60-120	
3-Methylpentane	ND	< 30		187	177	µg/g	105.6	60-120	
Acetone	ND	< 200		1690	1640	µg/g	103.0	60-120	
Acetonitrile	ND	< 100		503	513	µg/g	98.1	60-120	
Benzene	ND	< 1		0.907	1	µg/g	90.7	50-150	
Butane	ND	< 200		718	769	µg/g	93.4	60-120	
Carbon Tetrachloride	ND	< 1		0.882	1	µg/g	88.2	50-150	
Cumene	ND	< 30		233	227	µg/g	102.6	60-120	
Cyclohexane	ND	< 200		1560	1610	µg/g	96.9	60-120	
Dichloromethane	ND	< 1		1.06	1	µg/g	106.0	50-150	
DMSO	ND	< 500		1430	1660	µg/g	86.1	50-150	
Ethanol	ND	< 200		1680	1680	µg/g	100.0	60-120	
Ethyl acetate	ND	< 200		1670	1620	µg/g	103.1	60-120	
Ethyl Ether	ND	< 200		1710	1640	µg/g	104.3	60-120	
Ethylbenzene	ND	< 200		1040	1060	µg/g	98.1	60-120	
Ethylene Glycol	ND	< 200		447	530	µg/g	84.3	60-120	
Ethylene Oxide	ND	< 1		1.04	1	µg/g	104.0	50-150	
Heptane	ND	< 200		1570	1610	µg/g	97.5	60-120	
Hexane	ND	< 30		182	174	µg/g	104.6	60-120	
Isobutane	ND	< 200		711	770	µg/g	92.3	60-120	
Isopropyl Acetate	ND	< 200		1610	1620	µg/g	99.4	60-120	
m,p-Xylene	ND	< 200		990	1040	µg/g	95.2	60-120	
Methanol	ND	< 200		1720	1650	µg/g	104.2	60-120	
Methyl Acetate	ND	< 500		1610	1630	µg/g	98.8	50-150	
Methylethylketone	ND	< 500		1710	1690	µg/g	101.2	50-150	
Methylisobutylketone	ND	< 500		1520	1640	µg/g	92.7	50-150	
MTBE	ND	< 500		1640	1640	µg/g	100.0	50-150	
o-Xylene	ND	< 200		1090	1090	µg/g	100.0	60-120	
Pentane	ND	< 200		1670	1620	µg/g	103.1	60-120	
Propane	ND	< 200		565	585	µg/g	96.6	60-120	
Propyl Acetate	ND	< 500		1570	1670	µg/g	94.0	50-150	
Sulfolane	ND	< 50		133	192	µg/g	69.3	50-150	
Tetrahydrofuran	ND	< 100		541	511	µg/g	105.9	60-120	
Toluene	ND	< 100		517	497	µg/g	104.0	60-120	


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

**QC - Sample Duplicate**
**Sample ID: 25-004085-0008**

Analyte	SR Result	SD Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
1-Pentanol	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	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	
Carbon Tetrachloride	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	
DMSO	ND	ND	500	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	
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	
Methylisobutylketone	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	
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



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



**Report Number:** 25-004123/D001.R000  
**Report Date:** 04/28/2025  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/17/25 10:32





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.