



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



**Report Number:** 24-010436/D001.R000  
**Report Date:** 09/24/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/17/24 13:44

**Customer:** NW Natural Goods  
**Product identity:** BEV - RB 024260-1  
**Client/Metric ID:** .  
**Laboratory ID:** 24-010436-0001

### Summary

**Potency:**

Analyte per 355ml	Result	Limits	Units	Status	
CBC per 355ml	0.435		mg/355ml		CBD-Total per Serving Size 56.1 mg/355ml
CBD per 355ml	56.1		mg/355ml		
CBG per 355ml	1.40		mg/355ml		Delta-9-THC-Total per <LOQ
					(Reported in milligrams per serving)

**Residual Solvents:**

*All analytes passing and less than LOQ.*

**Pesticides:**

Analyte	Result (mg/kg)	Limits (mg/kg)	Status
Multi-Residue Pesticide Profile	< LOQ for all analytes		

**Metals:**

*Less than LOQ for all analytes.*

**Microbiology:**

*Less than LOQ for all analytes.*



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**Customer:** NW Natural Goods  
**Product identity:** BEV - RB 024260-1  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 24-010436-0001  
**Evidence of Cooling:** No  
**Temp:** 20.8  
**Relinquished by:** BR  
**Serving Size #1:** 362.1 g  
**Density:** 1.020 g/ml

### Sample Results

Potency per 355ml		Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>		Units mg/se Batch: 2407221		Analyze: 9/18/24 6:01:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 355ml	0.435		mg/355ml	0.355		
CBC-A per 355ml	< LOQ		mg/355ml	0.355		
CBC-Total per 355ml	< LOQ		mg/355ml	0.667		
CBD per 355ml	56.1		mg/355ml	0.355		
CBD-A per 355ml <sup>1</sup>	< LOQ		mg/355ml	0.355		
CBD-Total per 355ml <sup>1</sup>	56.1		mg/355ml	0.667		
CBDV per 355ml	< LOQ		mg/355ml	0.355		
CBDV-A per 355ml	< LOQ		mg/355ml	0.355		
CBDV-Total per 355ml	< LOQ		mg/355ml	0.663		
CBE per 355ml	< LOQ		mg/355ml	0.355		
CBG per 355ml	1.40		mg/355ml	0.355		
CBG-A per 355ml	< LOQ		mg/355ml	0.355		
CBG-Total per 355ml	1.40		mg/355ml	0.663		
CBL per 355ml	< LOQ		mg/355ml	0.355		
CBL-A per 355ml	< LOQ		mg/355ml	0.355		
CBL-Total per 355ml	< LOQ		mg/355ml	0.667		
CBN per 355ml	< LOQ		mg/355ml	0.355		
CBT per 355ml	< LOQ		mg/355ml	0.355		
Δ10-THC-9R per 355ml	< LOQ		mg/355ml	0.355		
Δ10-THC-9S per 355ml	< LOQ		mg/355ml	0.355		
Δ10-THC-Total per 355ml	< LOQ		mg/355ml	0.711		
Δ8-THC per 355ml <sup>1</sup>	< LOQ		mg/355ml	0.355		
Δ8-THCV per 355ml	< LOQ		mg/355ml	0.355		
Δ9-THC per 355ml <sup>1</sup>	< LOQ		mg/355ml	0.355		
Δ9-THC-Total per 355ml	< LOQ		mg/355ml	0.667		
Δ9-THCP per 355ml	< LOQ		mg/355ml	0.355		
Δ9-THCV per 355ml	< LOQ		mg/355ml	0.355		
Δ9-THCV-A per 355ml	< LOQ		mg/355ml	0.355		
Δ9-THCV-Total per 355ml	< LOQ		mg/355ml	0.667		
exo-THC per 355ml	< LOQ		mg/355ml	0.355		
THC-A per 355ml <sup>1</sup>	< LOQ		mg/355ml	0.355		



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Potency per 355ml Method: J AOAC 2015 V98-6 (mod)<sup>p</sup> Units mg/se Batch: 2407221 Analyze: 9/18/24 6:01:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids per 355ml	58.0		mg/355ml		

**Microbiology**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2407185	09/20/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2407183	09/20/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2407183	09/20/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2407184	09/21/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2407184	09/21/24 AOAC 2014.05 (RAPID)		

Solvents Method: Residual Solvents by HS-GC-MS<sup>b</sup> Units µg/g Batch 2407323 Analyze 09/23/24 10:33 AM

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

Pesticides Method: AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2407337 Analyze 09/23/24 03:41 PM

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>L</sup>	< LOQ	0.200	mg/kg	0.00390	2407250	09/19/24 AOAC 2013.06 (mod.) <sup>P</sup>	pass	
Cadmium <sup>L</sup>	< LOQ	0.200	mg/kg	0.00390	2407250	09/19/24 AOAC 2013.06 (mod.) <sup>P</sup>	pass	
Lead <sup>L</sup>	< LOQ	0.500	mg/kg	0.00390	2407250	09/19/24 AOAC 2013.06 (mod.) <sup>P</sup>	pass	
Mercury <sup>L</sup>	< LOQ	0.100	mg/kg	0.00195	2407250	09/19/24 AOAC 2013.06 (mod.) <sup>P</sup>	pass	

**Mycotoxins**

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 <sup>L</sup>	< LOQ		µg/kg	5.00	2407231	09/19/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin B2 <sup>L</sup>	< LOQ		µg/kg	5.00	2407231	09/19/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G1 <sup>L</sup>	< LOQ		µg/kg	5.00	2407231	09/19/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G2 <sup>L</sup>	< LOQ		µg/kg	5.00	2407231	09/19/24 AOAC 2007.01 & EN 15662 (mod)		
Ochratoxin A <sup>L</sup>	< LOQ	20.0	µg/kg	5.00	2407231	09/19/24 AOAC 2007.01 & EN 15662 (mod)	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		09/24/24 AOAC 2007.01 & EN 15662 (mod) <sup>P</sup>	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.

Ⓐ = ISO/IEC 17025:2017 accredited method.

⊥ = TNI accredited analyte.

**Units of Measure**

cfu/g = Colony forming units per gram

g = Gram

g/ml = Gram per milliliter

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/355ml = Milligram per 355ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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Hemp & Cannabis  
Chain of Custody

NW-Natural-Goods-  
1726529689

Company Details		Project Details			Testing						
Company: NW Natural Goods		Turnaround Time: 5 Business Days   Req. For Micro Testing   Standard			H0042 - A	H0010 - Potency Cannabis (Basic+Expanded)	P2320 - Multi-Residue Pesticide Pro	H0008 - Residual Solvents (Cannabis - Oregon)	H0013 - Cannabis Heavy Metals Pro	M1010 - Micro Pro	
[Redacted]		Relinquishment   Sampling, Courier & Shipping Options: <u>Pick-Up Courier Service</u>									
[Redacted]		Pick-Up Details									
[Redacted]		Pick-Up Location Name: <u>NW Natural Goods</u>									
[Redacted]		Receipt Information									
[Redacted]		Prelog Storage: <u>Canna Shelves</u>									
[Redacted]		Sample Condition: <u>Satisfactory</u>									
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size						
1	BEV- FB 024260-1	Cannabinoid Beverage	4 each	mg/g & mg/serving	355 each	✓	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
JDSHDD	09/16/2024	16:34		BR	09/17/2024	10:56	25	No
BR	09/17/2024	11:46	20.8	jsh	09/17/2024	13:44	25	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  
12423 NE Whitaker Way  
Portland, OR 97230

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

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[www.columbialaboratories.com](http://www.columbialaboratories.com)



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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2407221

Laboratory Control Sample										
Analyte	LS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	2	0.0009	0.0009	%	101	80.0	- 120	Acceptable		
CBDV	2	0.0009	0.0009	%	103	80.0	- 120	Acceptable		
CBE	2	0.00107	0.00104	%	103	80.0	- 120	Acceptable		
CEDA	1	0.00105	0.00105	%	100	90.0	- 110	Acceptable		
CBGA	1	0.00103	0.00102	%	101	80.0	- 120	Acceptable		
CBG	1	0.0009	0.0009	%	102	80.0	- 120	Acceptable		
CBD	1	0.00104	0.00102	%	101	90.0	- 110	Acceptable		
THCV	2	0.00103	0.00100	%	103	80.0	- 120	Acceptable		
d8THCV	2	0.00106	0.00103	%	103	80.0	- 120	Acceptable		
THCVA	2	0.0009	0.0009	%	101	80.0	- 120	Acceptable		
CBN	1	0.00106	0.00103	%	103	80.0	- 120	Acceptable		
exo-THC	2	0.0010	0.0010	%	103	80.0	- 120	Acceptable		
d9THC	1	0.00102	0.0010	%	103	90.0	- 110	Acceptable		
d8THC	1	0.0009	0.0008	%	103	90.0	- 110	Acceptable		
9Sa10THC	1	0.00105	0.00103	%	102	80.0	- 120	Acceptable		
CB	2	0.0010	0.0009	%	106	80.0	- 120	Acceptable		
9Ra10THC	1	0.00108	0.00107	%	101	80.0	- 120	Acceptable		
CB	2	0.00105	0.00103	%	102	80.0	- 120	Acceptable		
THCA	1	0.00104	0.00105	%	99.6	90.0	- 110	Acceptable		
CBCA	2	0.0010	0.0010	%	101	80.0	- 120	Acceptable		
CBLA	2	0.0010	0.0010	%	100	80.0	- 120	Acceptable		
d9THCP	2	0.0010	0.0010	%	103	80.0	- 120	Acceptable		
CBI	2	0.00101	0.0010	%	102	80.0	- 120	Acceptable		

Method Blank							
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDVA	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBDV	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBE	<LOQ	0.0001	%	< 0.0001	Acceptable		
CEDA	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBGA	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBG	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBD	<LOQ	0.0001	%	< 0.0001	Acceptable		
THCV	<LOQ	0.0001	%	< 0.0001	Acceptable		
d8THCV	<LOQ	0.0001	%	< 0.0001	Acceptable		
THCVA	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBN	<LOQ	0.0001	%	< 0.0001	Acceptable		
exo-THC	<LOQ	0.0001	%	< 0.0001	Acceptable		
d9THC	<LOQ	0.0001	%	< 0.0001	Acceptable		
d8THC	<LOQ	0.0001	%	< 0.0001	Acceptable		
9Sa10THC	<LOQ	0.0001	%	< 0.0001	Acceptable		
CB	<LOQ	0.0001	%	< 0.0001	Acceptable		
9Ra10THC	<LOQ	0.0001	%	< 0.0001	Acceptable		
CB	<LOQ	0.0001	%	< 0.0001	Acceptable		
THCA	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBCA	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBLA	<LOQ	0.0001	%	< 0.0001	Acceptable		
d9THCP	<LOQ	0.0001	%	< 0.0001	Acceptable		
CBI	<LOQ	0.0001	%	< 0.0001	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: 4 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2407221						
Sample Duplicate		Sample ID: 24-0068780005						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CB	0.0001	0.0001	0.0001	%	0.671	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBG	0.0003	0.0003	0.0001	%	0.820	< 20	Acceptable	
CB	0.0136	0.0136	0.0001	%	0.292	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9Sa10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CB	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9Ra10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBI	<LOQ	<LOQ	0.0001	%	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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Received: 09/17/24 13:44

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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2407323			
Method Blank				Laboratory Control Sample			
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec. Limits Notes
Propane	ND	< 200		585	585	µg/g	100.0 60 - 120
Isobutane	ND	< 200		728	770	µg/g	94.5 60 - 120
Butane	ND	< 200		744	769	µg/g	96.7 60 - 120
2,2-Dimethylpropane	ND	< 200		935	956	µg/g	97.8 60 - 120
Methanol	ND	< 200		1660	1630	µg/g	101.8 60 - 120
Ethylene Oxide	ND	< 30		55.4	57.7	µg/g	96.0 60 - 120
2-Methylbutane	ND	< 200		1610	1620	µg/g	99.4 60 - 120
Pertane	ND	< 200		1590	1620	µg/g	98.1 60 - 120
Ethanol	ND	< 200		1710	1620	µg/g	105.6 70 - 130
Ethyl Ether	ND	< 200		1830	1620	µg/g	113.0 60 - 120
2,2-Dimethylbutane	ND	< 30		190	179	µg/g	106.1 60 - 120
Acetone	ND	< 200		1680	1620	µg/g	103.7 60 - 120
2-Propanol	ND	< 200		1670	1620	µg/g	103.1 60 - 120
Ethyl Formate	ND	< 500		1410	1610	µg/g	87.6 70 - 130
Acetonitrile	ND	< 100		513	502	µg/g	102.2 60 - 120
Methyl Acetate	ND	< 500		1620	1610	µg/g	100.6 70 - 130
2,3-Dimethylbutane	ND	< 30		184	180	µg/g	102.2 60 - 120
Dichloromethane	ND	< 60		548	533	µg/g	102.8 60 - 120
2-Methylpentane	ND	< 30		181	181	µg/g	100.0 60 - 120
MTBE	ND	< 500		1600	1600	µg/g	100.0 70 - 130
3-Methylpentane	ND	< 30		181	177	µg/g	102.3 60 - 120
Hexane	ND	< 30		185	182	µg/g	101.6 60 - 120
1-Propanol	ND	< 500		1640	1610	µg/g	101.9 70 - 130
Methylethylketone	ND	< 500		1600	1600	µg/g	100.0 70 - 130
Ethyl acetate	ND	< 200		1680	1620	µg/g	103.7 60 - 120
2-Butanol	ND	< 200		1670	1630	µg/g	102.5 60 - 120
Tetrahydrofuran	ND	< 100		513	499	µg/g	102.8 60 - 120
Cyclohexane	ND	< 200		1600	1610	µg/g	99.4 60 - 120
2-methyl-1-propanol	ND	< 500		1530	1600	µg/g	95.6 70 - 130
Benzene	ND	< 1		5.25	5.01	µg/g	104.8 60 - 120
Isopropyl Acetate	ND	< 200		1660	1620	µg/g	102.5 60 - 120
Heptane	ND	< 200		1620	1610	µg/g	100.6 60 - 120
1-Butanol	ND	< 500		1580	1600	µg/g	98.8 70 - 130
Propyl Acetate	ND	< 500		1570	1600	µg/g	98.1 70 - 130
1,4-Dioxane	ND	< 100		494	493	µg/g	100.2 60 - 120
2-Ethoxyethanol	ND	< 30		178	182	µg/g	97.8 60 - 120
Methylisobutylketone	ND	< 500		1570	1610	µg/g	97.5 70 - 130
3-Methyl-1-butanol	ND	< 500		1560	1600	µg/g	97.5 70 - 130
Ethylene Glycol	ND	< 200		436	501	µg/g	87.0 60 - 120
Toluene	ND	< 100		500	501	µg/g	99.8 60 - 120
Isobutyl Acetate	ND	< 500		1570	1600	µg/g	98.1 70 - 130
1-Pentanol	ND	< 500		1610	1600	µg/g	100.6 70 - 130
Butyl Acetate	ND	< 500		1580	1600	µg/g	98.8 70 - 130
Ethylbenzene	ND	< 200		990	981	µg/g	100.9 60 - 120
m,p-Xylene	ND	< 200		1010	1000	µg/g	101.0 60 - 120
o-Xylene	ND	< 200		964	981	µg/g	98.3 60 - 120
Cumene	ND	< 30		179	177	µg/g	101.1 60 - 120
Anisole	ND	< 500		1490	1610	µg/g	92.5 70 - 130
DMSO	ND	< 500		1440	1600	µg/g	90.0 70 - 130
1,2-dimethoxyethane	ND	< 50		150	161	µg/g	93.2 70 - 130
Triethylamine	ND	< 500		1550	1600	µg/g	96.9 70 - 130
N,N-dimethylformamide	ND	< 150		505	484	µg/g	104.3 70 - 130
N,N-dimethylacetamide	ND	< 150		480	497	µg/g	96.6 70 - 130
Pyridine	ND	< 50		168	162	µg/g	103.7 70 - 130
Sulfolane	ND	< 50		132	166	µg/g	79.5 70 - 130
1,2-Dichloroethane	ND	< 1		0.937	1	µg/g	93.7 70 - 130
Chloroform	ND	< 1		0.933	1	µg/g	93.3 70 - 130
Trichloroethylene	ND	< 1		0.852	1	µg/g	85.2 70 - 130
1,1-Dichloroethane	ND	< 1		0.91	1	µg/g	91.0 70 - 130


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

QC- Sample Duplicate

Sample ID: 24-010436-0001

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	
Pertane	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	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200 µg/g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100 µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Anisole	ND	ND	500 µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500 µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Sulfone	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



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



**Report Number:** 24-010436/D001.R000  
**Report Date:** 09/24/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 09/17/24 13:44





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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.