



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



Report Number: 24-010504/D001.R000
Report Date: 09/25/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/18/24 12:21

Customer: NW Natural Goods
Product identity: BEV - BP 024263-1
Client/Metric ID: .
Laboratory ID: 24-010504-0001

Summary

Potency:

Analyte per 355ml	Result	Limits	Units	Status	
CBD per 355ml	24.1		mg/355ml		CBD-Total per Serving Size 24.1 mg/355ml
CBG per 355ml	0.597		mg/355ml		
CBN per 355ml	5.03		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 - BP 024263-1
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-010504-0001
Evidence of Cooling: No
Temp: 25 °C
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) ^b		Units mg/se Batch: 2407263		Analyze: 9/19/24 4:43:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 355ml	< LOQ		mg/355ml	0.359		
CBC-A per 355ml	< LOQ		mg/355ml	0.359		
CBC-Total per 355ml	< LOQ		mg/355ml	0.675		
CBD per 355ml	24.1		mg/355ml	0.359		
CBD-A per 355ml ¹	< LOQ		mg/355ml	0.359		
CBD-Total per 355ml ¹	24.1		mg/355ml	0.675		
CBDV per 355ml	< LOQ		mg/355ml	0.359		
CBDV-A per 355ml	< LOQ		mg/355ml	0.359		
CBDV-Total per 355ml	< LOQ		mg/355ml	0.671		
CBE per 355ml	< LOQ		mg/355ml	0.359		
CBG per 355ml	0.597		mg/355ml	0.359		
CBG-A per 355ml	< LOQ		mg/355ml	0.359		
CBG-Total per 355ml	< LOQ		mg/355ml	0.671		
CBL per 355ml	< LOQ		mg/355ml	0.359		
CBL-A per 355ml	< LOQ		mg/355ml	0.359		
CBL-Total per 355ml	< LOQ		mg/355ml	0.675		
CBN per 355ml	5.03		mg/355ml	0.359		
CBT per 355ml	< LOQ		mg/355ml	0.359		
Δ10-THC-9R per 355ml	< LOQ		mg/355ml	0.359		
Δ10-THC-9S per 355ml	< LOQ		mg/355ml	0.359		
Δ10-THC-Total per 355ml	< LOQ		mg/355ml	0.719		
Δ8-THC per 355ml ¹	< LOQ		mg/355ml	0.359		
Δ8-THCV per 355ml	< LOQ		mg/355ml	0.359		
Δ9-THC per 355ml ¹	< LOQ		mg/355ml	0.359		
Δ9-THC-Total per 355ml	< LOQ		mg/355ml	0.675		
Δ9-THCP per 355ml	< LOQ		mg/355ml	0.359		
Δ9-THCV per 355ml	< LOQ		mg/355ml	0.359		
Δ9-THCV-A per 355ml	< LOQ		mg/355ml	0.359		
Δ9-THCV-Total per 355ml	< LOQ		mg/355ml	0.675		
exo-THC per 355ml	< LOQ		mg/355ml	0.359		
THC-A per 355ml ¹	< LOQ		mg/355ml	0.359		



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Potency per 355ml Method: J AOAC 2015 V98-6 (mod)^b Units mg/se Batch: 2407263 Analyze: 9/19/24 4:43:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids per 355ml	29.7		mg/355ml		

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2407224	09/21/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2407222	09/21/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2407222	09/21/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2407223	09/22/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2407223	09/22/24 AOAC 2014.05 (RAPID)		

Solvents Method: Residual Solvents by HS-GC-MS^b Units µg/g Batch 2407323 Analyze 09/23/24 10:34 AM

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

Pesticides Method: AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2407385 Analyze 09/24/24 04:05 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 ^L	< LOQ	0.200	mg/kg	0.00382	2407250	09/19/24 AOAC 2013.06 (mod.) ^P	pass	
Cadmium ^L	< LOQ	0.200	mg/kg	0.00382	2407250	09/19/24 AOAC 2013.06 (mod.) ^P	pass	
Lead ^L	< LOQ	0.500	mg/kg	0.00382	2407250	09/19/24 AOAC 2013.06 (mod.) ^P	pass	
Mercury ^L	< LOQ	0.100	mg/kg	0.00191	2407250	09/19/24 AOAC 2013.06 (mod.) ^P	pass	

Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aflatoxin B1 ^L	< LOQ		µg/kg	5.00	2407336	09/23/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin B2 ^L	< LOQ		µg/kg	5.00	2407336	09/23/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G1 ^L	< LOQ		µg/kg	5.00	2407336	09/23/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G2 ^L	< LOQ		µg/kg	5.00	2407336	09/23/24 AOAC 2007.01 & EN 15662 (mod)		
Ochratoxin A ^L	< LOQ	20.0	µg/kg	5.00	2407336	09/23/24 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) ^P	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-
1726601951

Company Details Company: NW Natural Goods [Redacted]		Project Details Turnaround Time: <u>5 Business Days</u> Req. For Micro Testing Standard Relinquishment Sampling, Courier & Shipping Options: <u>Pick-Up Courier Service</u> Pick-Up Details Pick-Up Location Name: <u>NW Natural Goods</u> [Redacted]			Testing					
		Receipt Information Prelog Storage: Canna Shelves Sample Condition: Satisfactory			H0010 - Cannabis Heavy Metals Pro e OR	P2320 - Multi-Residue Pesticide Pro e (Cannabis)	H0010 - Potency Cannabis (Basic+Expanded)	H0008 - Residual Solvents (Cannabis - Oregon)	MTD10 - Micro Pro e D	H0042 - A - atoxins+Ochratoxin QLCC
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size					
1	BEV- BP024263-1	Cannabinoid Beverage	4 each	mg/g & mg/serving	355 g	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
JDSHDD	09/17/2024	12:39		BR	09/18/2024	10:15	25	No
BR	09/18/2024	11:10	19.9	jsh	09/18/2024	12:21	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

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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: 2407263**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.0009	0.0009	%	98.7	80.0 - 120	Acceptable	
CBDV	2	0.0009	0.0009	%	100.0	80.0 - 120	Acceptable	
CBE	2	0.00109	0.00105	%	103	80.0 - 120	Acceptable	
CBDA	1	0.00108	0.00108	%	100	90.0 - 110	Acceptable	
CBGA	1	0.00107	0.00106	%	101	80.0 - 120	Acceptable	
CBG	1	0.0010	0.0009	%	104	80.0 - 120	Acceptable	
CBD	1	0.00109	0.00106	%	103	90.0 - 110	Acceptable	
THCV	2	0.00103	0.00101	%	102	80.0 - 120	Acceptable	
d8THCV	2	0.00106	0.00104	%	102	80.0 - 120	Acceptable	
THCVA	2	0.0009	0.0009	%	98.4	80.0 - 120	Acceptable	
CBN	1	0.00111	0.00106	%	105	80.0 - 120	Acceptable	
exo-THC	2	0.0010	0.0010	%	102	80.0 - 120	Acceptable	
d9THC	1	0.00106	0.00102	%	105	90.0 - 110	Acceptable	
d8THC	1	0.0009	0.0009	%	105	90.0 - 110	Acceptable	
9S-d10THC	1	0.00110	0.00107	%	104	80.0 - 120	Acceptable	
CBL	2	0.0010	0.0009	%	106	80.0 - 120	Acceptable	
9R-d10THC	1	0.00114	0.00110	%	103	80.0 - 120	Acceptable	
CBC	2	0.00105	0.00104	%	102	80.0 - 120	Acceptable	
THCA	1	0.00107	0.00108	%	98.8	90.0 - 110	Acceptable	
CBCA	2	0.0009	0.0010	%	98.7	80.0 - 120	Acceptable	
CBLA	2	0.0010	0.0010	%	98.4	80.0 - 120	Acceptable	
d9THCP	2	0.0010	0.0010	%	103	80.0 - 120	Acceptable	
CBT	2	0.00101	0.0010	%	101	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	
CBDA	<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	
9S-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBL	<LOQ	0.0001	%	< 0.0001	Acceptable	
9R-d10THC	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBC	<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	
CBT	<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

AOAC 2015 V98-6		Batch ID: 2407263						
Sample Duplicate		Sample ID: 22-015321-0008						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBD	0.00528	0.00528	0.0001	%	0.127	< 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	
9S-d10THC	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
9R-d10THC	<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	
CBLA	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.0001	%	NA	< 20	Acceptable	
CBT	<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


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	
Pentane	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	


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	
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	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	
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



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Portland, OR 97230
503-254-1794



Report Number: 24-010504/D001.R000
Report Date: 09/25/2024
ORELAP#: OR100028
Purchase Order:
Received: 09/18/24 12:21





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.