



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



Report Number: 24-006611/D001.R000
Report Date: 06/24/2024
ORELAP#: OR100028
Purchase Order:
Received: 06/17/24 12:14

Customer: NW Natural Goods
Product identity: BEV - LM 024164-1
Client/Metric ID: .
Laboratory ID: 24-006611-0001

Summary

Potency:

Analyte per 355ml	Result	Limits	Units	Status	
CBD per 355ml	52.5		mg/355ml		CBD-Total per Serving Size 52.5 mg/355ml
CBG per 355ml	1.30		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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Received: 06/17/24 12:14

Customer: NW Natural Goods
Product identity: BEV - LM 024164-1
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-006611-0001
Evidence of Cooling: No
Temp: 17.4 °C
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: 2404631		Analyze: 6/19/24 12:03:00 PM
Analyte	Result	Limits	Units	LOQ	Notes	
CBC per 355ml	< LOQ		mg/355ml	0.356		
CBC-A per 355ml	< LOQ		mg/355ml	0.356		
CBC-Total per 355ml	< LOQ		mg/355ml	0.669		
CBD per 355ml	52.5		mg/355ml	0.356		
CBD-A per 355ml [±]	< LOQ		mg/355ml	0.356		
CBD-Total per 355ml [±]	52.5		mg/355ml	0.669		
CBDV per 355ml	< LOQ		mg/355ml	0.356		
CBDV-A per 355ml	< LOQ		mg/355ml	0.356		
CBDV-Total per 355ml	< LOQ		mg/355ml	0.665		
CBE per 355ml	< LOQ		mg/355ml	0.356		
CBG per 355ml	1.30		mg/355ml	0.356		
CBG-A per 355ml	< LOQ		mg/355ml	0.356		
CBG-Total per 355ml	1.30		mg/355ml	0.665		
CBL per 355ml	< LOQ		mg/355ml	0.356		
CBL-A per 355ml	< LOQ		mg/355ml	0.356		
CBL-Total per 355ml	< LOQ		mg/355ml	0.669		
CBN per 355ml	< LOQ		mg/355ml	0.356		
CBT per 355ml	< LOQ		mg/355ml	0.356		
Δ10-THC-9R per 355ml	< LOQ		mg/355ml	0.356		
Δ10-THC-9S per 355ml	< LOQ		mg/355ml	0.356		
Δ10-THC-Total per 355ml	< LOQ		mg/355ml	0.712		
Δ8-THC per 355ml [±]	< LOQ		mg/355ml	0.356		
Δ8-THCV per 355ml	< LOQ		mg/355ml	0.356		
Δ9-THC per 355ml [±]	< LOQ		mg/355ml	0.356		
Δ9-THC-Total per 355ml	< LOQ		mg/355ml	0.669		
Δ9-THCP per 355ml	< LOQ		mg/355ml	0.356		
Δ9-THCV per 355ml	< LOQ		mg/355ml	0.356		
Δ9-THCV-A per 355ml	< LOQ		mg/355ml	0.356		
Δ9-THCV-Total per 355ml	< LOQ		mg/355ml	0.669		
exo-THC per 355ml	< LOQ		mg/355ml	0.356		
THC-A per 355ml [±]	< LOQ		mg/355ml	0.356		
Total Cannabinoids per 355ml	53.8		mg/355ml			


Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2404573	06/20/24 AOAC 990.12 (Petrifilm)		
E.coli	< LOQ		cfu/g	10	2404570	06/20/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2404570	06/20/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2404572	06/21/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2404572	06/21/24 AOAC 2014.05 (RAPID)		

Solvents Method: Residual Solvents by HS-GC-MS^b Units µg/g Batch 2404674 Analyze 06/20/24 01:30 PM

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 2404675 Analyze 06/20/24 01:40 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	0.00395	2404678	06/20/24 AOAC 2013.06 (mod.) ^P	pass	
Cadmium ^L	< LOQ	0.200	mg/kg	0.00395	2404678	06/20/24 AOAC 2013.06 (mod.) ^P	pass	
Lead ^L	< LOQ	0.500	mg/kg	0.00395	2404678	06/20/24 AOAC 2013.06 (mod.) ^P	pass	
Mercury ^L	< LOQ	0.100	mg/kg	0.00197	2404678	06/20/24 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	2404670	06/20/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin B2 ^L	< LOQ		µg/kg	5.00	2404670	06/20/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G1 ^L	< LOQ		µg/kg	5.00	2404670	06/20/24 AOAC 2007.01 & EN 15662 (mod)		
Aflatoxin G2 ^L	< LOQ		µg/kg	5.00	2404670	06/20/24 AOAC 2007.01 & EN 15662 (mod)		
Ochratoxin A ^L	< LOQ	20.0	µg/kg	5.00	2404670	06/20/24 AOAC 2007.01 & EN 15662 (mod)	pass	
Total Aflatoxins	< LOQ	20.0	µg/kg	20.0		06/24/24 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



Columbia Laboratories
Pesticide Action Limits: Health Canada

Active ingredient	Limits (mg/ kg)		
	Product type		
	Fresh cannabis	Dried cannabis	Cannabis oil
Abamectin	0.25	0.1	0.25
Acephate	0.05	0.02	0.05
Acequinocyl	0.05	0.03	not provided
Acetamiprid	0.05	0.1	0.05
Aldicarb	0.5	1	0.5
Allethrin	0.1	0.2	0.1
Azadirachtin	0.5	1	0.5
Azoxystrobin	0.01	0.02	0.01
Benzovindiflupyr	0.01	0.02	0.01
Bifenazate	0.05	0.02	0.01
Bifenthrin	0.1	1	not provided
Boscalid	0.01	0.02	0.01
Buprofezin	0.01	0.02	not provided
Carbaryl	0.025	0.05	0.025
Carbofuran	0.01	0.02	0.01
Chlorantraniliprole	0.01	0.02	not provided
Chlorphenapyr	0.1	0.05	1.5
Chlorpyrifos	0.01	0.04	0.5
Clofentezine	0.01	0.02	0.01
Othianidion	0.025	0.05	0.025
Coumaphos	0.01	0.02	0.01
Cyantraniliprole	0.01	0.02	0.01
Cyfluthrin	1	0.2	not provided
Cypermethrin	1	0.3	not provided
Cyprodinil	0.25	0.25	0.01
Daminozide	0.05	0.1	not provided
Delamethrin	1	0.5	not provided
Diazinon	0.01	0.02	not provided
Dichlorvos	0.05	0.1	0.05
Dimethoate	0.01	0.02	0.01
Dimethomorph	0.05	0.05	not provided
Dinotefuran	0.05	0.1	0.05
Dodemorph	0.05	0.05	not provided
Endosulfan sulfate	0.5	0.05	2.5
Endosulfan-alpha	0.1	0.2	2.5
Endosulfan-beta	0.5	0.05	2.5
Ethoprophos	0.01	0.02	0.01
Etofenprox	0.01	0.05	not provided
Etoxazole	0.01	0.02	not provided
Etridiazole	0.01	0.03	0.15
Fenoxycarb	0.01	0.02	0.01
Fenpyroximate	0.02	0.02	not provided
Fensufothion	0.01	0.02	0.01
Fenthion	0.01	0.02	0.01
Fenvalerate	0.1	0.1	not provided
Fipronil	0.01	0.06	0.01
Fonicamid	0.025	0.05	0.025
Fludioxonil	0.01	0.02	0.01
Fluopyram	0.01	0.02	0.01
Hexythiazox	0.01	0.01	not provided

Active ingredient	Limits (mg/ kg)		
	Product type		
	Fresh cannabis	Dried cannabis	Camabis oil
Imazail	0.01	0.05	0.01
Imidacloprid	0.01	0.02	0.01
Iprodione	0.5	1	0.5
Kinoprene	0.05	0.5	1.25
Kresoxim-methyl	0.01	0.02	0.15
Malathion	0.01	0.02	0.01
Metaxalyl	0.01	0.02	0.01
Methiocarb	0.01	0.02	0.01
Methomyl	0.05	0.05	0.025
Methoprene	1	2	not provided
Mevinphos	0.025	0.05	0.025
MGK-264	0.05	0.05	not provided
Myclobutanil	0.01	0.02	0.01
Naled	0.2	0.1	not provided
Novaluron	0.025	0.05	0.025
Oxamyl	1.5	3	1.5
Padobutrazol	0.01	0.02	0.01
Parathion-methyl	0.03	0.05	not provided
Permethrin	0.5	0.5	not provided
Phenothrin	0.025	0.05	not provided
Phosmet	0.01	0.02	not provided
Piperonyl butoxide	0.25	0.2	1.25
Prinmicarb	0.01	0.02	0.01
Prallethrin	0.05	0.05	not provided
Propiconazole	0.01	0.1	not provided
Propoxur	0.01	0.02	0.01
Pyraclostrobin	0.01	0.02	0.01
Pyrethrins	0.025	0.05	not provided
Pyridaben	0.025	0.05	0.02
Quintozene	0.01	0.02	not provided
Resmethrin	0.02	0.1	0.05
Spinetoram	0.01	0.02	0.01
Spinosad	0.01	0.1	0.01
Spirodiclofen	0.25	0.25	not provided
Spiromesifen	0.05	3	not provided
Spirotetramat	0.1	0.02	0.01
Spiroxamine	0.01	0.1	not provided
Tebuconazole	0.01	0.05	0.01
Tebufenozide	0.01	0.02	0.01
Teflubenzuron	0.025	0.05	0.025
Tetrachlorvinphos	0.01	0.02	0.01
Tetramethrin	0.05	0.1	not provided
Thiadoprid	0.01	0.02	0.01
Thiamethoxam	0.01	0.02	0.01
Thiophanate-methyl	0.03	0.05	not provided
Trifloxystrobin	0.01	0.02	0.01



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Hemp & Cannabis
Chain of Custody

NW-Natural-Goods-
1718398499

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT1508

Company Details		Project Details			Testing						
Company: NW Natural Goods		Turnaround Time: <u>5 Business Days</u> Req. For Micro Testing Standard			H0042 - A	P2320 - Multi-Residue Pesticide Pro	H0008 - Residual Solvents	H0010 - Potency Cannabis	H0013 - Cannabis Heavy Metals	M1010 - Micro Pro	
[Redacted]		Relinquishment Sampling, Courier & Shipping Options: <u>Pick-Up Courier Service</u>									
[Redacted]		Compliance: <u>Compliance</u>									
[Redacted]		Pick-Up Details									
[Redacted]		Pick-Up Location Name: <u>NW Natural Goods</u>									
[Redacted]		Receipt Information									
[Redacted]		Pre-Log Storage: <u>Canna Shelves</u>									
[Redacted]		Sample Condition: <u>Satisfactory</u>									
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size						
1	BEV- LM024164-1	Cannabinoid Beverage	4 each	mg/g & mg/serving	362.1each	✓	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
JOE MANGAN	06/14/2024	13:54		BR	06/17/2024	10:25	25	No
BR	06/17/2024	11:19	17.4	det	06/17/2024	12:14	17.4	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
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Portland, OR 97230

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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: 0

Laboratory Control Sample

Analyte	LS	Result	Spike	Units	%Rec	Limits	Evaluation	Notes
CBDA	2	0.0009	0.0010	%	99.4	80.0 - 120	Acceptable	
CBV	2	0.0010	0.0010	%	99.6	80.0 - 120	Acceptable	
CB	2	0.0009	0.0010	%	99.4	80.0 - 120	Acceptable	
CBDA	1	0.0009	0.0009	%	102	90.0 - 110	Acceptable	
CBGA	1	0.0009	0.0009	%	102	80.0 - 120	Acceptable	
CBG	1	0.0009	0.0009	%	101	80.0 - 120	Acceptable	
CB	1	0.0010	0.0010	%	101	90.0 - 110	Acceptable	
THCV	2	0.00102	0.00102	%	100.0	80.0 - 120	Acceptable	
d8THCV	2	0.00103	0.00103	%	99.9	80.0 - 120	Acceptable	
THCVA	2	0.0009	0.0009	%	99.5	80.0 - 120	Acceptable	
CBN	1	0.0010	0.0009	%	104	80.0 - 120	Acceptable	
exo-THC	2	0.0008	0.0008	%	99.4	80.0 - 120	Acceptable	
d9THC	1	0.00103	0.0010	%	105	90.0 - 110	Acceptable	
d8THC	1	0.0010	0.0010	%	102	90.0 - 110	Acceptable	
9Sa10THC	1	0.0010	0.0010	%	103	80.0 - 120	Acceptable	
CB	2	0.0009	0.0010	%	98.2	80.0 - 120	Acceptable	
9Rd10THC	1	0.0010	0.00103	%	93.3	80.0 - 120	Acceptable	
CB	2	0.0010	0.0010	%	101	80.0 - 120	Acceptable	
THCA	1	0.0009	0.0009	%	101	90.0 - 110	Acceptable	
CBCA	2	0.0010	0.0010	%	98.9	80.0 - 120	Acceptable	
CBLA	2	0.0010	0.0010	%	99.1	80.0 - 120	Acceptable	
d9THCP	2	0.0010	0.0010	%	100.0	80.0 - 120	Acceptable	
CB	2	0.0009	0.0010	%	97.2	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDA	<LOQ	0.0001	%	< 0.0001	Acceptable	
CBV	<LOQ	0.0001	%	< 0.0001	Acceptable	
CB	<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	
CB	<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	
9Rd10THC	<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	
CB	<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: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2404674			
Method Blank				Laboratory Control Sample			
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec Limits Notes
Propane	ND	< 200		511	584	µg/g	87.5 60 - 120
Isobutane	ND	< 200		653	767	µg/g	85.1 60 - 120
Butane	ND	< 200		656	782	µg/g	83.9 60 - 120
2,2-Dimethylpropane	ND	< 200		819	939	µg/g	87.2 60 - 120
Methanol	ND	< 200		1640	1600	µg/g	102.5 60 - 120
Ethylene Oxide	ND	< 30		48.1	57.1	µg/g	84.2 60 - 120
2-Methylbutane	ND	< 200		1680	1620	µg/g	103.7 60 - 120
Pentane	ND	< 200		1680	1610	µg/g	104.3 60 - 120
Ethanol	ND	< 200		1700	1600	µg/g	106.3 70 - 130
Ethyl Ether	ND	< 200		1670	1610	µg/g	103.7 60 - 120
2,2-Dimethylbutane	ND	< 30		199	190	µg/g	104.7 60 - 120
Acetone	ND	< 200		1710	1610	µg/g	106.2 60 - 120
2-Propanol	ND	< 200		1750	1610	µg/g	108.7 60 - 120
Ethyl Formate	ND	< 500		1580	1630	µg/g	96.9 70 - 130
Acetonitrile	ND	< 100		499	486	µg/g	102.7 60 - 120
Methyl Acetate	ND	< 500		1610	1610	µg/g	100.0 70 - 130
2,3-Dimethylbutane	ND	< 30		173	163	µg/g	106.1 60 - 120
Dichloromethane	ND	< 60		505	482	µg/g	104.8 60 - 120
2-Methylpentane	ND	< 30		193	178	µg/g	108.4 60 - 120
MTBE	ND	< 500		1660	1610	µg/g	103.1 70 - 130
3-Methylpentane	ND	< 30		538	490	µg/g	109.8 60 - 120
Hexane	ND	< 30		193	175	µg/g	110.3 60 - 120
1-Propanol	ND	< 500		1680	1610	µg/g	104.3 70 - 130
Methylethylketone	ND	< 500		1660	1610	µg/g	103.1 70 - 130
Ethyl acetate	ND	< 200		1770	1600	µg/g	110.6 60 - 120
2-Butanol	ND	< 200		1810	1610	µg/g	112.4 60 - 120
Tetrahydrofuran	ND	< 100		538	504	µg/g	106.7 60 - 120
Cyclohexane	ND	< 200		1730	1620	µg/g	106.8 60 - 120
2-methyl-1-propanol	ND	< 500		1700	1610	µg/g	105.6 70 - 130
Benzene	ND	< 1		5.26	5.08	µg/g	103.5 60 - 120
Isopropyl Acetate	ND	< 200		1760	1610	µg/g	109.3 60 - 120
Heptane	ND	< 200		1750	1610	µg/g	108.7 60 - 120
1-Butanol	ND	< 500		1650	1610	µg/g	102.5 70 - 130
Propyl Acetate	ND	< 500		1700	1610	µg/g	105.6 70 - 130
1,4-Dioxane	ND	< 100		546	488	µg/g	111.9 60 - 120
2-Ethoxyethanol	ND	< 30		186	163	µg/g	114.1 60 - 120
Methylisobutylketone	ND	< 500		1730	1620	µg/g	106.8 70 - 130
3-Methyl-1-butanol	ND	< 500		1690	1610	µg/g	105.0 70 - 130
Ethylene Glycol	ND	< 200		457	488	µg/g	93.6 60 - 120
Toluene	ND	< 100		566	492	µg/g	115.0 60 - 120
Isobutyl Acetate	ND	< 500		1740	1620	µg/g	107.4 70 - 130
1-Pentanol	ND	< 500		1720	1610	µg/g	106.8 70 - 130
Butyl Acetate	ND	< 500		1960	1650	µg/g	118.8 70 - 130
Ethylbenzene	ND	< 200		1190	969	µg/g	122.8 60 - 120 Q1
m,p-Xylene	ND	< 200		1200	981	µg/g	122.3 60 - 120 Q1
o-Xylene	ND	< 200		1180	966	µg/g	122.2 60 - 120 Q1
Cumene	ND	< 30		200	167	µg/g	119.8 60 - 120
Anisole	ND	< 500		1730	1610	µg/g	107.5 70 - 130
DMSO	ND	< 500		1390	1610	µg/g	86.3 70 - 130
1,2-dimethoxyethane	ND	< 50		177	170	µg/g	104.1 70 - 130
Triethylamine	ND	< 500		1350	1620	µg/g	83.3 70 - 130
N,N-dimethylformamide	ND	< 150		552	499	µg/g	110.6 70 - 130
N,N-dimethylacetamide	ND	< 150		523	489	µg/g	107.0 70 - 130
Pyridine	ND	< 50		184	167	µg/g	110.2 70 - 130
Sulfolane	ND	< 50		219	169	µg/g	129.6 70 - 130
1,2-Dichloroethane	ND	< 1		1.06	1	µg/g	106.0 70 - 130
Chloroform	ND	< 1		1.02	1	µg/g	102.0 70 - 130
Trichloroethylene	ND	< 1		1.07	1	µg/g	107.0 70 - 130
1,1-Dichloroethane	ND	< 1		1.06	1	µg/g	106.0 70 - 130



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

QC- Sample Duplicate

Sample ID: 24-006540-0001

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	
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: 24-006611/D001.R000
Report Date: 06/24/2024
ORELAP#: OR100028
Purchase Order:
Received: 06/17/24 12:14





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.