



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



Report Number: 24-005525/D001.R000
Report Date: 05/28/2024
ORELAP#: OR100028
Purchase Order:
Received: 05/20/24 12:34

Customer: NW Natural Goods
Product identity: HEMP - BB 0125
Client/Metric ID: .
Laboratory ID: 24-005525-0001

Summary

Potency:

Analyte per 4g	Result	Limits	Units	Status	
CBD per 4g	25.9		mg/4g		CBD-Total per Serving Size 25.9 mg/4g
CBG per 4g	0.672		mg/4g		
					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: 05/20/24 12:34

Customer: NW Natural Goods

Product identity: HEMP - BB 0125
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-005525-0001
Evidence of Cooling: No
Temp: 25 °C
Serving Size #1: 4 g

Sample Results

Potency per 4g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2404045	Analyze: 5/24/24 6:16:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 4g	< LOQ		mg/4g	0.126	
CBC-A per 4g	< LOQ		mg/4g	0.126	
CBC-Total per 4g	< LOQ		mg/4g	0.237	
CBD per 4g	25.9		mg/4g	0.126	
CBD-A per 4g ¹	< LOQ		mg/4g	0.126	
CBD-Total per 4g ¹	25.9		mg/4g	0.237	
CBDV per 4g	< LOQ		mg/4g	0.126	
CBDV-A per 4g	< LOQ		mg/4g	0.126	
CBDV-Total per 4g	< LOQ		mg/4g	0.236	
CBE per 4g	< LOQ		mg/4g	0.126	
CBG per 4g	0.672		mg/4g	0.126	
CBG-A per 4g	< LOQ		mg/4g	0.126	
CBG-Total per 4g	0.672		mg/4g	0.236	
CBL per 4g	< LOQ		mg/4g	0.126	
CBL-A per 4g	< LOQ		mg/4g	0.126	
CBL-Total per 4g	< LOQ		mg/4g	0.237	
CBN per 4g	< LOQ		mg/4g	0.126	
CBT per 4g	< LOQ		mg/4g	0.126	
Δ10-THC-9R per 4g	< LOQ		mg/4g	0.126	
Δ10-THC-9S per 4g	< LOQ		mg/4g	0.126	
Δ10-THC-Total per 4g	< LOQ		mg/4g	0.252	
Δ8-THC per 4g ¹	< LOQ		mg/4g	0.126	
Δ8-THCV per 4g	< LOQ		mg/4g	0.126	
Δ9-THC per 4g ¹	< LOQ		mg/4g	0.126	
Δ9-THC-Total per 4g	< LOQ		mg/4g	0.237	
Δ9-THCP per 4g	< LOQ		mg/4g	0.126	
Δ9-THCV per 4g	< LOQ		mg/4g	0.126	
Δ9-THCV-A per 4g	< LOQ		mg/4g	0.126	
Δ9-THCV-Total per 4g	< LOQ		mg/4g	0.237	
exo-THC per 4g	< LOQ		mg/4g	0.126	
THC-A per 4g ¹	< LOQ		mg/4g	0.126	
Total Cannabinoids per 4g	26.6		mg/4g		


Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2403879	05/23/24 AOAC 991.14 (Petrifilm)		
Total Coliforms	< LOQ		cfu/g	10	2403879	05/23/24 AOAC 991.14 (Petrifilm)		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2403880	05/24/24 AOAC 2014.05 (RAPID)		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2403880	05/24/24 AOAC 2014.05 (RAPID)		

Solvents Method: Residual Solvents by HS-GC-MS^b Units µg/g Batch 2403945 Analyze 05/22/24 01:31 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 ¹	< 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 2403989 Analyze 05/24/24 11:34 AM

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

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic ¹	< LOQ	0.200	mg/kg	0.0200	2403995	05/23/24 AOAC 2013.06 (mod.) ^p	pass	
Cadmium ¹	< LOQ	0.200	mg/kg	0.0200	2403995	05/23/24 AOAC 2013.06 (mod.) ^p	pass	
Lead ¹	< LOQ	0.500	mg/kg	0.0200	2403995	05/23/24 AOAC 2013.06 (mod.) ^p	pass	
Mercury ¹	< LOQ	0.100	mg/kg	0.00999	2403995	05/23/24 AOAC 2013.06 (mod.) ^p	pass	



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Nutrition

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Moisture (Loss on Drying)	17.9		g/100g	0.10	2404002	05/23/24 AOAC 925.10 (mod.)		
Water Activity	0.662		Aw	0.030	2404022	05/24/24 AOAC 978.18		



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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/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

mg/4g = Milligram per 4g

% = Percentage of sample

A_w = Water Activity

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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**Hemp & Cannabis
 Chain of Custody**

**Northwest-Natural-
 Goods-1715952234**

ORELAP ID: **OR100028** ANAB ISO17025 ID: **AT1508**

Company Details						Project Details						Testing						
Company: <u>Northwest Natural Goods</u>						Turnaround Time: <u>5 Business Days</u> Req. For Micro Testing <u>Standard</u> Relinquishment Sampling, Courier & Shipping Options: <u>Pick-Up Courier Service</u> Compliance: <u>Compliance</u> Project Name / ID: <u>HEMP-BB-0125</u>						H0013 - Cannabis Heavy Metals Profile OR H0010 - Potency Cannabis (Basic-Expanded) M2263 - RAPID Yeast and Mold Count (RYM) Petrifilm H0006 - Residual Solvents (Cannabis - Oregon) P2320 - Multi-Residue Pesticide Profile (Cannabis) N3600 - Water Activity & Moisture (as Loss on Drying) Food M076 - E. coli/Coliform Count (EC) Petrifilm						
Pick-Up Details Pick-Up Location Name: <u>Northwest Natural Goods</u>						Receipt Information Pre-Log Storage: <u>Canna Shelves</u>												
#	Sample Name	Material	Amount Provided	Reporting Unit	Serving Size	Additional Test Requests and Sample Comments												
1	HEMP-BB-0125	Cannabinoid Edible	20 each	mg/g & mg/serving	4 g	THIS IS FOR MONDAY 5/20!!!! THANK YOU!						✓	✓	✓	✓	✓	✓	✓

Relinquished By	Date	Time	Temp., °C	Received By	Date	Time	Received Temp., °C	Evidence of Cooling?
KRISTEN JOHNSON	05/17/2024	06:23	Temp., °C	BR	05/20/2024	10:24	25	No
BR	05/20/2024	11:59	17.9	NR	05/20/2024	12:34	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

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www.columbialaboratories.com



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Report Number: 24-005525/D001.R000
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 Purchase Order:
 Received: 05/20/24 12:34

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

Laboratory Quality Control Results

Residual Solvents				Batch ID: 2403945					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		533	584	µg/g	91.3	60 - 120	
Isobutane	ND	< 200		681	767	µg/g	88.8	60 - 120	
Butane	ND	< 200		688	782	µg/g	88.0	60 - 120	
2,2-Dimethylpropane	ND	< 200		839	939	µg/g	89.4	60 - 120	
Methanol	ND	< 200		1390	1600	µg/g	86.9	60 - 120	
Ethylene Oxide	ND	< 30		50.9	57.1	µg/g	89.1	60 - 120	
2-Methylbutane	ND	< 200		1400	1600	µg/g	87.5	60 - 120	
Pertane	ND	< 200		1400	1600	µg/g	87.5	60 - 120	
Ethanol	ND	< 200		1400	1600	µg/g	87.5	70 - 130	
Ethyl Ether	ND	< 200		1370	1600	µg/g	85.6	60 - 120	
2,2-Dimethylbutane	ND	< 30		140	163	µg/g	85.9	60 - 120	
Acetone	ND	< 200		1380	1610	µg/g	85.7	60 - 120	
2-Propanol	ND	< 200		1400	1600	µg/g	87.5	60 - 120	
Acetonitrile	ND	< 100		399	481	µg/g	83.0	60 - 120	
2,3-Dimethylbutane	ND	< 30		126	161	µg/g	78.3	60 - 120	
Dichloromethane	ND	< 60		405	481	µg/g	84.2	60 - 120	
2-Methylpentane	ND	< 30		141	162	µg/g	87.0	60 - 120	
3-Methylpentane	ND	< 30		136	163	µg/g	83.4	60 - 120	
Hexane	ND	< 30		135	163	µg/g	82.8	60 - 120	
Ethyl acetate	ND	< 200		1380	1610	µg/g	85.7	60 - 120	
2-Butanol	ND	< 200		1390	1600	µg/g	86.9	60 - 120	
Tetrahydrofuran	ND	< 100		409	487	µg/g	84.0	60 - 120	
Cyclohexane	ND	< 200		1370	1610	µg/g	85.1	60 - 120	
Benzene	ND	< 1		3.98	4.88	µg/g	81.6	60 - 120	
Isopropyl Acetate	ND	< 200		1390	1610	µg/g	86.3	60 - 120	
Heptane	ND	< 200		1370	1600	µg/g	85.6	60 - 120	
1,4-Dioxane	ND	< 100		391	484	µg/g	80.8	60 - 120	
2-Ethoxyethanol	ND	< 30		126	162	µg/g	77.8	60 - 120	
Ethylene Glycol	ND	< 200		288	496	µg/g	58.1	60 - 120	Q6
Toluene	ND	< 100		406	486	µg/g	83.5	60 - 120	
Ethylbenzene	ND	< 200		764	961	µg/g	79.5	60 - 120	
m,p-Xylene	ND	< 200		767	973	µg/g	78.8	60 - 120	
o-Xylene	ND	< 200		734	963	µg/g	76.2	60 - 120	
Cumene	ND	< 30		116	164	µg/g	70.7	60 - 120	



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

QC- Sample Duplicate

Sample ID: 24-005525-0001

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	
Acetonitrile	ND	ND	100	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	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	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	
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	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	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	
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	

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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2404045

Laboratory Control Sample										
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	2	0.0258	0.0257	%	100	80.0	- 120	Acceptable		
CBDV	2	0.0299	0.0298	%	100	80.0	- 120	Acceptable		
CBE	2	0.0286	0.0293	%	97.3	80.0	- 120	Acceptable		
CBDA	1	0.0287	0.0290	%	98.7	90.0	- 110	Acceptable		
CBGA	1	0.0284	0.0288	%	98.6	80.0	- 120	Acceptable		
CBG	1	0.0274	0.0283	%	96.7	80.0	- 120	Acceptable		
CBD	1	0.0297	0.0306	%	96.8	90.0	- 110	Acceptable		
THCV	2	0.0300	0.0299	%	100	80.0	- 120	Acceptable		
d8THCV	2	0.0282	0.0290	%	97.2	80.0	- 120	Acceptable		
THCVA	2	0.0282	0.0280	%	101	80.0	- 120	Acceptable		
CBN	1	0.0280	0.0288	%	97.2	80.0	- 120	Acceptable		
exo-THC	2	0.0281	0.0289	%	97.2	80.0	- 120	Acceptable		
d9THC	1	0.0293	0.0305	%	96.1	90.0	- 110	Acceptable		
d8THC	1	0.0285	0.0298	%	95.5	90.0	- 110	Acceptable		
9S-d10THC	1	0.0283	0.0300	%	94.5	80.0	- 120	Acceptable		
CBL	2	0.0249	0.0261	%	95.4	80.0	- 120	Acceptable		
9R-d10THC	1	0.0273	0.0320	%	85.1	80.0	- 120	Acceptable		
CBC	2	0.0266	0.0279	%	95.2	80.0	- 120	Acceptable		
THCA	1	0.0292	0.0288	%	102	90.0	- 110	Acceptable		
CBCA	2	0.0277	0.0288	%	96.1	80.0	- 120	Acceptable		
CBLA	2	0.0288	0.0294	%	97.9	80.0	- 120	Acceptable		
d9THCP	2	0.0270	0.0285	%	94.8	80.0	- 120	Acceptable		
CBT	2	0.0264	0.0292	%	90.4	80.0	- 120	Acceptable		

Method Blank							
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes	
CBDVA	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBDV	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBE	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBDA	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBGA	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBG	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBD	<LOQ	0.00332	%	< 0.00332	Acceptable		
THCV	<LOQ	0.00332	%	< 0.00332	Acceptable		
d8THCV	<LOQ	0.00332	%	< 0.00332	Acceptable		
THCVA	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBN	<LOQ	0.00332	%	< 0.00332	Acceptable		
exo-THC	<LOQ	0.00332	%	< 0.00332	Acceptable		
d9THC	<LOQ	0.00332	%	< 0.00332	Acceptable		
d8THC	<LOQ	0.00332	%	< 0.00332	Acceptable		
9S-d10THC	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBL	<LOQ	0.00332	%	< 0.00332	Acceptable		
9R-d10THC	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBC	<LOQ	0.00332	%	< 0.00332	Acceptable		
THCA	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBCA	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBLA	<LOQ	0.00332	%	< 0.00332	Acceptable		
d9THCP	<LOQ	0.00332	%	< 0.00332	Acceptable		
CBT	<LOQ	0.00332	%	< 0.00332	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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Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2404045						
Sample Duplicate		Sample ID: 24-0055250001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBG	0.0165	0.0168	0.00304	%	1.68	< 20	Acceptable	
CBD	0.636	0.647	0.00304	%	1.70	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
9S-d10THC	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
9R-d10THC	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
d9THCP	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.00304	%	NA	< 20	Acceptable	

Abbreviations

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

Units of Measure:

- % - Percent



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



Report Number: 24-005525/D001.R000
Report Date: 05/28/2024
ORELAP#: OR100028
Purchase Order:
Received: 05/20/24 12:34





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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.