



503-254-1794 **Purchase Order:**
Report 22-003494/D002.R000
Number: 03/31/2022
Report Date: OR100028

12423 NE Whitaker Way **ORELAP#:**
Portland, OR 97230

Product identity: Manufactured Date: 3/24/2024
Retest Date: **Received:** 03/28/22 11:43
GVB Oregon
Comp BSD TST 221 3/24/2022

Customer:

Laboratory ID: **Summary**
22-003494-0001

Potency:

Analyte Result (%) CBD 85.5 CBC 1.03 CBE 0.755 † CBT 0.596 † CBDV 0.544 † CBN 0.507 CBG 0.384 † Δ9-THC 0.185	CBD	
	CBC	
	CBE	CBD-Total 85.5%
	CBT	
	CBDV	
	CBN	
	CBG	THC-Total 0.185%
	Δ9-THC	(Reported in percent of total sample)

Residual Solvents:

Analyte Result	Limits	Status
	(µg/g)	
n-Heptane 242 5000 pass	(µg/g)	

Pesticides:

All analytes passing and less than LOQ.

Portland, OR 97230	Date: ORELAP#:	03/31/2022
503-254-1794	Purchase Order:	OR100028
Report Number: Report	22-003494/D002.R000	

Received: 03/28/22 11:43

Customer: GVB Oregon
United States of America (USA)

Product identity: Comp BSD TST 221
Client/Metric ID: .
Sample Date:
Laboratory ID: 22-003494-0001
Evidence of Cooling: No
Temp: 31.8 °C
Relinquished by: Client

Sample Results

Potency **Method** J AOAC 2015 V98-6 (mod) **Units** % **Batch:** 2202769 **Analyze:** 3/31/22 1:20:00 AM

Analyte As Received **weight**
Dry **LOQ Notes**

	CBC
CBC 1.03 0.0890	CBE
CBC-A [†] < LOQ 0.0890	CBT
CBC-Total 1.03 [†] 0.167	CBDV
CBD 85.5 0.890	CBN
CBD-A < LOQ 0.0890	CBG
CBD-Total 85.5 0.968	Δ9-THC
CBDV 0.544 [†] 0.0890	
CBDV-A [†] < LOQ 0.0890	
CBDV-Total 0.544 [†] 0.166	
CBE 0.755 [†] 0.0890	
CBG 0.384 [†] 0.0890	
CBG-A [†] < LOQ 0.0890	
CBG-Total 0.384 0.166	
CBL [†] < LOQ 0.0890	
CBL-A [†] < LOQ 0.0890	
CBL-Total [†] < LOQ 0.167	
CBN 0.507 0.0890	
CBT 0.596 [†] 0.0890	
Δ8-THC [†] < LOQ 0.0890	
Δ8-THCV < LOQ 0.0890	
Δ9-THC 0.185 0.0890	
THC-A < LOQ 0.0890	
THC-Total 0.185 0.167	
THCV [†] < LOQ 0.0890	
THCV-A [†] < LOQ 0.0890	
THCV-Total [†] < LOQ 0.166	
Total Cannabinoids 89.5 [†]	

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



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Solvents **Method** Residual Solvents by GC/MS **Units** µg/g **Batch** 2202735 **Analyze** 03/30/22 10:54 AM **Analyte Result Limits** LOQ

Status Notes Analyte Result Limits LOQ Status Notes 1,4-Dioxane < LOQ 380 100 pass 2-Butanol < LOQ 5000 200 pass

2-Ethoxyethanol < LOQ 160 30.0 pass 2-Methylbutane < LOQ

200

(Isopentane)

2-Methylpentane < LOQ 30.0 2-Propanol (IPA) < LOQ 5000 200 pass

2,2-Dimethylbutane < LOQ 30.0 2,2-Dimethylpropane < LOQ

200

(neo-pentane)

2,3-Dimethylbutane < LOQ 30.0 3-Methylpentane < LOQ 30.0 Acetone < LOQ 5000 200 pass Acetonitrile < LOQ 410 100 pass

Benzene < LOQ 2.00 1.00 pass Butanes (sum) < LOQ 5000 400 pass Cyclohexane < LOQ 3880 200 pass Ethyl acetate < LOQ 5000

200 pass Ethyl benzene < LOQ 200 Ethyl ether < LOQ 5000 200 pass Ethylene glycol < LOQ 620 200 pass Ethylene oxide < LOQ

50.0 20.0 pass Hexanes (sum) < LOQ 290 150 pass Isopropyl acetate < LOQ 5000 200 pass Isopropylbenzene < LOQ 70.0 pass

30.0 m,p-Xylene < LOQ 200

(Cumene)

Methanol < LOQ 3000 200 pass Methylene chloride < LOQ 600 60.0 pass

Methylpropane < LOQ (Isobutane)

200 n-Butane < LOQ 200

n-Heptane 242 5000 200 pass n-Hexane < LOQ 30.0 n-Pentane < LOQ 200 o-Xylene < LOQ 200 Pentanes (sum) < LOQ 5000 600

pass Propane < LOQ 5000 200 pass Tetrahydrofuran < LOQ 720 100 pass Toluene < LOQ 890 100 pass Total Xylenes < LOQ 400

Total Xylenes and Ethyl < LOQ 2170 pass

600

benzene

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Received: 03/28/22 11:43

Pesticides **Method** AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2202765 **Analyze** 03/31/22 09:33 AM **Analyte Result**

Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
				Abamectin	< LOQ 0.50 0.250 pass				
				Acephate	< LOQ 0.40 0.250 pass				
				Acequinocyl	< LOQ 2.0 1.00 pass				
				Acetamiprid	< LOQ 0.20 0.100 pass				
				Aldicarb	< LOQ 0.40 0.200 pass				
				Azoxystrobin	< LOQ 0.20 0.100 pass				
				Bifenazate	< LOQ 0.20 0.100 pass				
				Bifenthrin	< LOQ 0.20 0.100 pass				
				Boscalid	< LOQ 0.40 0.200 pass				
				Carbaryl	< LOQ 0.20 0.100 pass				
				Carbofuran	< LOQ 0.20 0.100 pass				
				Chlorantraniliprole	< LOQ 0.20 0.100 pass				
				Chlorfenapyr	< LOQ 1.0 0.500 pass				
				Chlorpyrifos	< LOQ 0.20 0.100 pass				
				Clofentezine	< LOQ 0.20 0.100 pass				
				Cyfluthrin	< LOQ 1.0 0.500 pass				
				Cypermethrin	< LOQ 1.0 0.500 pass				
				Daminozide	< LOQ 1.0 0.500 pass				
				Diazinon	< LOQ 0.20 0.100 pass				
				Dichlorvos	< LOQ 1.0 0.500 pass				
				Dimethoate	< LOQ 0.20 0.100 pass				
				Ethoprophos	< LOQ 0.20 0.100 pass				
				Etofenprox	< LOQ 0.40 0.200 pass				
				Etoxazole	< LOQ 0.20 0.100 pass				
				Fenoxycarb	< LOQ 0.20 0.100 pass				
				Fenpyroximate	< LOQ 0.40 0.200 pass				
				Fipronil	< LOQ 0.40 0.200 pass				
				Flonicamid	< LOQ 1.0 0.400 pass				
				Fludioxonil	< LOQ 0.40 0.200 pass				
				Hexythiazox	< LOQ 1.0 0.400 pass				
				Imazalil	< LOQ 0.20 0.100 pass				
				Imidacloprid	< LOQ 0.40 0.200 pass				
				Kresoxim-methyl	< LOQ 0.40 0.200 pass				
				Malathion	< LOQ 0.20 0.100 pass				
				Metalaxyl	< LOQ 0.20 0.100 pass				
				Methiocarb	< LOQ 0.20 0.100 pass				
				Methomyl	< LOQ 0.40 0.200 pass				
				MGK-264	< LOQ 0.20 0.100 pass				
				Myclobutanil	< LOQ 0.20 0.100 pass				
				Naled	< LOQ 0.50 0.250 pass				
				Oxamyl	< LOQ 1.0 0.500 pass				
				Paclobutrazole	< LOQ 0.40 0.200 pass				
				Parathion-Methyl	< LOQ 0.20 0.200 pass				
				Permethrin	< LOQ 0.20 0.100 pass				
				Phosmet	< LOQ 0.20 0.100 pass				
				Piperonyl butoxide	< LOQ 2.0 1.00 pass				
				Prallethrin	< LOQ 0.20 0.200 pass				
				Propiconazole	< LOQ 0.40 0.200 pass				
				Propoxur	< LOQ 0.20 0.100 pass				
				Pyrethrin I (total)	< LOQ 1.0 0.500 pass				
				Pyridaben	< LOQ 0.20 0.100 pass				
				Spinosad	< LOQ 0.20 0.100 pass				
				Spiromesifen	< LOQ 0.20 0.100 pass				
				Spirotetramat	< LOQ 0.20 0.100 pass				
				Spiroxamine	< LOQ 0.40 0.200 pass				
				Tebuconazole	< LOQ 0.40 0.200 pass				
				Thiacloprid	< LOQ 0.20 0.100 pass				
				Thiamethoxam	< LOQ 0.20 0.100 pass				
				Trifloxystrobin	< LOQ 0.20 0.100 pass				

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



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These test results are representative of the individual sample selected and submitted by the client.

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.

† = Analyte not NELAP accredited.

Units of Measure

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory



Derrick Tanner
General Manager

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12423 NE Whitaker Way

Portland, OR **Report Date: ORELAP#:**

97230

503-254-1794

Report

Number:

Purchase Order:

22-003494/D002.R000

03/31/2022

OR100028

Residual Solvents Batch ID:

Received: 03/28/22 11:43

Revision: Document ID:
Legacy ID: Effective:

2202735

Laboratory Quality Control Results

Method Blank

Laboratory Control Sample

Analyte LOQ Notes Result Spike Units % Rec Notes

Limits

Propane	ND	<	2 0 0		564	572	μ g / g	98.6	6 0
Isobutane	ND	<	2 0 0		624	731	μ g / g	85.4	6 0
Butane	ND	<	2 0 0		611	731	μ g / g	83.6	6 0
2,2-Dimethylpropane	ND	<	2 0 0		997	936	μ g / g	106.5	6 0
Methanol	ND	<	2 0 0		1510	1620	μ g / g	93.2	6 0
Ethylene Oxide	ND	<	3 0		51	56.2	μ g / g	90.7	6 0
2-Methylbutane	ND	<	2 0 0		1590	1620	μ g / g	98.1	6 0
Pentane	ND	<	2 0 0		1580	1610	μ g / g	98.1	6 0
Ethanol	ND	<	2 0 0		1680	1630	μ g / g	103.1	7 0
Ethyl Ether	ND	<	2 0 0		1510	1620	μ g / g	93.2	6 0
2,2-Dimethylbutane	ND	<	3 0		139	174	μ g / g	79.9	6 0
Acetone	ND	<	2 0 0		1420	1650	μ g / g	86.1	6 0
2-Propanol	ND	<	2 0 0		1490	1610	μ g / g	92.5	6 0
Acetonitrile	ND	<	1 0 0		467	498	μ g / g	93.8	6 0
2,3-Dimethylbutane	ND	<	3 0		143	176	μ g / g	81.3	6 0
Dichloromethane	ND	<	6 0		471	510	μ g / g	92.4	6 0
2-Methylpentane	ND	<	3 0		154	176	μ g / g	87.5	6 0
3-Methylpentane	ND	<	3 0		180	175	μ g / g	102.9	6 0
Hexane	ND	<	3 0		173	177	μ g / g	97.7	6 0
Ethyl acetate	ND	<	2 0 0		1620	1630	μ g / g	99.4	6 0
2-Butanol	ND	<	2 0 0		1540	1620	μ g / g	95.1	6 0

Tetrahydrofuran	ND	<	1 0 0		486	500	μ g / g	97.2	6 0	-	1 2 0	
Cyclohexane	ND	<	2 0 0		1520	1620	μ g / g	93.8	6 0	-	1 2 0	
Benzene	ND	<	1		5.1	5.32	μ g / g	95.9	6 0	-	1 2 0	
Isopropyl Acetate	ND	<	2 0 0		1660	1620	μ g / g	102.5	6 0	-	1 2 0	
Heptane	ND	<	2 0 0		1670	1770	μ g / g	94.4	6 0	-	1 2 0	
1,4-Dioxane	ND	<	1 0 0		470	504	μ g / g	93.3	6 0	-	1 2 0	
2-Ethoxyethanol	ND	<	3 0		193	181	μ g / g	106.6	6 0	-	1 2 0	
Ethylene Glycol	ND	<	2 0 0		554	494	μ g / g	112.1	6 0	-	1 2 0	
Toluene	ND	<	2 0 0		494	491	μ g / g	100.6	6 0	-	1 2 0	
Ethylbenzene	ND	<	2 0 0		976	973	μ g / g	100.3	6 0	-	1 2 0	
m,p-Xylene	ND	<	2 0 0		928	996	μ g / g	93.2	6 0	-	1 2 0	
o-Xylene	ND	<	2 0 0		1020	973	μ g / g	104.8	6 0	-	1 2 0	
Cumene	ND	<	3 0		181	170	μ g / g	106.5	6 0	-	1 2 0	

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Number: 03/31/2022
Report Date: OR100028

12423 NE Whitaker Way **ORELAP#:**
Portland, OR 97230

Revision: Document ID:
Legacy ID: Effective:

22-002948-0004

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	
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	10	μg	0.0	< 20	Acceptable	

			0	/ g				
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	335	348	200	μg / g	3.8	< 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	200	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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Received: 03/28/22 11:43

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 Units: mg/Kg Batch ID: Method 2202765
Blank Laboratory Control Sample

Analyte	Blank Result	Notes	LCS Spike	LCS % Rec	Notes
					Blank Limits

Blank Limits	LCS Result Limits
Abamectin 0.000 < 0.250 1.000 174.9 82.1 - 115 Q1 1.749	

[illegible]

Kresoxim-methyl	0.000	< 0.200	Pyridaben	0.000	< 0.100	0.400 0.414	1 0 3 - 4
Malathion	0.000	< 0.100	Spinosad	0.000	< 0.100	0.388 0.398	1 0 2 - 6
Metalaxyl	0.000	< 0.100	Spiromesifen	0.000	< 0.100	0.400 0.437	1 0 9 - 3
Methiocarb	0.000	< 0.100	Spirotetramat	0.000	< 0.100	0.400 0.420	1 0 4 - 9
Methomyl	0.000	< 0.200	Spiroxamine	0.000	< 0.200	0.800 0.827	1 0 3 - 4
MGK-264	0.000	< 0.100	Tebuconazole	0.000	< 0.200	0.800 0.848	1 0 6 - 0
Myclobutanil	0.000	< 0.100	Thiacloprid	0.000	< 0.100	0.400 0.409	1 0 2 - 3
Naled	0.000	< 0.250	Thiamethoxam	0.000	< 0.100	0.400 0.366	9 1 - 5
Oxamyl	0.000	< 0.500					
Paclobutrazole	0.000	< 0.200	67.5 - 125 87.5 - 107 86.4 - 109 76.3 - 142 76.5 - 117 72.4 - 134				
Parathion-Methyl	0.000	< 0.200	75.5 - 115 77.7 - 118 87.4 - 105 88.1 - 107 85.4 - 111 71.3 - 129				
Permethrin	0.000	< 0.100	79.8 - 109 84.1 - 107 76.5 - 119 86.2 - 108 68.3 - 127 Q6 86.4 - 110				
Phosmet	0.000	< 0.100	82.1 - 108 87.2 - 105 83.0 - 109 72.7 - 119 79.7 - 118 87.9 - 107				
Piperonyl butoxide	0.000	< 0.500	84.1 - 108 88.0 - 110 69.8 - 120 81.7 - 116 81.0 - 112 80.9 - 116 80.6 - 111				
Prallethrin	0.000	< 0.100	84.3 - 111 83.1 - 112 86.7 - 105 82.2 - 112 70.3 - 116 83.4 - 110				
Propiconazole	0.000	< 0.200	86.4 - 109 86.5 - 104 76.2 - 112 89.2 - 105 71.0 - 132 85.1 - 108				
Propoxur	0.000	< 0.100	82.7 - 112 72.3 - 134 84.9 - 110 87.4 - 108 88.0 - 104 76.0 - 121				
Pyrethrin (Summe)	0.000	< 0.100	80.6 - 118 76.9 - 125 79.9 - 125 88.2 - 108 83.2 - 106 87.0 - 109				

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12423 NE Whitaker Way **ORELAP#:**
Portland, OR 97230

Received: 03/28/22 11:43

Revision: 3 Document ID: 3120

Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 Units: mg/Kg Batch ID: 2202765 Matrix Spike/Matrix Spike Duplicate Recoveries Sample ID: 22-003104-0001

Analyte Result MS Res MSD Res Spike RPD% MS % Rec MSD % Rec Notes

Limit Limits

Abamectin 0.000 1.862 1.803 1.000 3.2% < 30 186.2% 180.3% 50 - 150 Q

Acephate	0.002 1.008 1.03	Boscalid	0.000 0.836 0.782 0.800 6.8% < 30	1	0	4	5	%
		Carbaryl	0.000 0.406 0.409 0.400 0.9% < 30	1	0	1	5	%
Acetamiprid	0.000 0.403 0.40	Carbofuran	0.000 0.401 0.393 0.400 1.9% < 30	1	0	0	2	%
		Chlorantraniliprole	0.000 0.395 0.403 0.400 2.0% < 30	9	8	9		%
Aldicarb	0.000 0.822 0.80	Chlorfenapyr	0.000 2.378 2.216 2.000 7.0% < 30	1	1	8	9	%
		Chlorpyrifos	0.000 0.438 0.397 0.400 9.8% < 30	1	0	9	5	%
Azoxystrobin	0.000 0.364 0.38	Clofentezine	0.000 0.415 0.433 0.400 4.3% < 30	1	0	3		%
Bifenazate	0.000 0.473 0.47							
Bifenthrin	0.000 0.333 0.35							

		Imazalil	0.000 0.401 0.410 0.400 2.2% < 30		1 0 0 . 4 %		
Cyfluthrin	0.000 1.364 1.44	Imidacloprid	0.000 0.837 0.826 0.800 1.4% < 30		1 0 4 . 7 %		
Cypermethrin	0.000 1.265 1.31	Kresoxim-methyl	0.000 0.865 0.884 0.800 2.2% < 30		1 0 8 . 1 %		
Daminozide	0.133 2.327 2.32	Malathion	0.000 0.414 0.426 0.400 2.7% < 30		1 0 3 . 6 %		
Diazinon	0.000 0.419 0.41	Metalaxyl	0.000 0.408 0.407 0.400 0.4% < 30		1 0 2 . 0 %		
Dichlorvos	0.000 2.032 1.94	Methiocarb	0.000 0.409 0.411 0.400 0.6% < 30		1 0 2 . 2 %		
Dimethoate	0.000 0.410 0.40	Methomyl	0.000 0.733 0.705 0.800 3.9% < 30		9 1 . 7 %		
Ethrophos	0.000 0.382 0.38	MGK-264	0.000 0.459 0.467 0.400 1.7% < 30		1 1 4 . 8 %		
Etofenprox	0.000 0.562 0.57	Myclobutanil	0.000 0.402 0.375 0.400 6.9% < 30		1 0 0 . 4 %		
Etoxazole	0.000 0.401 0.40	Naled	0.000 1.014 1.025 1.000 1.1% < 30		1 0 1 . 4 %		
Fenoxycarb	0.000 0.408 0.42	Oxamyl	0.000 1.504 1.939 2.000 25.3% < 30		7 5 . 2 %		
Fenpyroximate	0.000 0.513 0.52	Paclobutrazole	0.000 0.812 0.830 0.800 2.2% < 30		1 0 1 . 5 %		
Fipronil	0.000 0.842 0.86	Parathion-Methyl	0.000 0.774 0.677 0.800 13.4% < 30		9 6 . 8 %		
Flonicamid	0.000 1.077 1.03	Permethrin	0.000 0.361 0.373 0.400 3.4% < 30		9 0 . 1 %		
Fludioxonil	0.000 0.851 0.85	Phosmet	0.000 0.409 0.422 0.400 3.2% < 30		1 0 2 . 3 %		
Hexythiazox	0.000 1.134 1.15	Piperonyl butoxide	0.000 2.509 2.412 2.000 4.0% < 30		1 2 5		

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



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794 **Purchase Order:**
Report 22-003494/D002.R000
Number: 03/31/2022
Report Date: OR100028

Received: 03/28/22 11:43

Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results
2202769

J AOAC 2015 V98-6 Batch ID:
Laboratory Control Sample

Analyte Spike Units %Rec Evaluation Notes
Result

Limits

CBDVA	0.0998	0.100	%	99.8	80.0 - 120	Acceptabl e	
CBDV	0.123	0.100	%	123	80.0 - 120	Acceptabl e	Q6
CBE	0.0987	0.100	%	98.7	80.0 - 120	Acceptabl e	
CBDA	0.107	0.100	%	107	80.0 - 120	Acceptabl e	
CBGA	0.0993	0.100	%	99.3	80.0 - 120	Acceptabl e	
CBG	0.104	0.100	%	104	80.0 - 120	Acceptabl e	
CBD	0.101	0.100	%	101	80.0 - 120	Acceptabl e	
THCV	0.0970	0.100	%	97.0	80.0 - 120	Acceptabl e	
d8THCV	0.102	0.100	%	102	80.0 - 120	Acceptabl e	
THCVA	0.0957	0.100	%	95.7	80.0 - 120	Acceptabl e	
CBN	0.102	0.100	%	102	80.0 - 120	Acceptabl e	
exo-THC	0.0909	0.100	%	90.9	80.0 - 120	Acceptabl e	
d9THC	0.0997	0.100	%	99.7	80.0 - 120	Acceptabl e	
d8THC	0.0975	0.100	%	97.5	80.0 - 120	Acceptabl e	
CBL	0.0916	0.100	%	91.6	80.0 - 120	Acceptabl e	
CBC	0.0997	0.100	%	99.7	80.0 - 120	Acceptabl e	
THCA	0.102	0.100	%	102	80.0 - 120	Acceptabl e	
CBCA	0.101	0.100	%	101	80.0 - 120	Acceptabl e	
CBLA	0.0977	0.100	%	97.7	80.0 - 120	Acceptabl	

						e	
CBT	0.0845	0.100	%	84.5	80.0 - 120	Acceptable	

Method Blank

Analyte LOQ Evaluation Notes

	Result	Units	Limits	Units of Measure:
CBDVA	< LOQ	0.1	%	Acc% - Percent
CBDV	< LOQ	0.1	%	Acc
CBE	< LOQ	0.1	%	Acc
CBDA	< LOQ	0.1	%	Acc
CBGA	< LOQ	0.1	%	Acc
CBG	< LOQ	0.1	%	Acc
CBD	< LOQ	0.1	%	Acc
THCV	< LOQ	0.1	%	Acc
d8THCV	< LOQ	0.1	%	Acc
THCVA	< LOQ	0.1	%	Acc
CBN	< LOQ	0.1	%	Acc
exo-THC	< LOQ	0.1	%	Acc
d9THC	< LOQ	0.1	%	Acc
d8THC	< LOQ	0.1	%	Acc
CBL	< LOQ	0.1	%	Acc
CBC	< LOQ	0.1	%	Acc
THCA	< LOQ	0.1	%	Acc
CBCA	< LOQ	0.1	%	Acc
CBLA	< LOQ	0.1	%	Acc
CBT	< LOQ	0.1	%	Acc

Abbreviations

ND - None Detected at or above MRL

RPD -Relative Percent Difference

LOQ -Limit of Quantitation

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

Portland, OR 97230
503-254-1794
Report Number: Report

Date: ORELAP#:
Purchase Order:
22-003494/D002.R000

03/31/2022
OR100028

Received: 03/28/22 11:43

Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: ~~Sample~~ 2202769
Duplicate Sample ID: 22-003414-0001
Analyte Result Org. Result LOQ Units RPD Evaluation Notes
Limits

CBDVA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBDV	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBE	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBDA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBGA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBG	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBD	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
THCV	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
d8THCV	0.476	0.472	0.1	%	0.848	< 20	Acc
THCVA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBN	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
exo-THC	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
d9THC	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
d8THC	82.6	81.1	0.1	%	1.86	< 20	Acc
CBL	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBC	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
THCA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBCA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBLA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBT	< LOQ	< LOQ	0.1	%	NA	< 20	Acc

Units of Measure:
% - Percent

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Abbreviations

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

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503-254-1794 **Purchase Order:**
Report 22-003494/D002.R000
Number: 03/31/2022
Report Date: OR100028

12423 NE Whitaker Way **ORELAP#:**
Portland, OR 97230

Received: 03/28/22 11:43

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.

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