



## Sample Information

Test Date:	Oct 14, 2020, 3:20 PM	Sample Type:	Topicals
Sample / Strain Name:	PK 500 mg cream	IL Unique ID:	ILCTS387-1
Lot # / Batch ID:	12J2013A		
Sample Description:	White cream		
Notes:	Unit weight is 60 grams per 2 oz jar		
Analyst Name:	Enrique Orci IV	Reviewer Name:	Ted Barton
Analyst Signature:	<i>Enrique Orci IV</i>	Reviewer Signature:	<i>Ted Barton</i>

## Cannabinoid Potency and Profile

Cannabinoid	Result (%)	Result (mg/g)	mg / 2 oz Jar
CBDV	N/D	N/D	N/D
CBDVA	N/D	N/D	N/D
THCV	N/D	N/D	N/D
CBD	0.93%	9.27	556.29
CBG	N/D	N/D	N/D
CBDA	N/D	N/D	N/D
CBGA	N/D	N/D	N/D
CBN	N/D	N/D	N/D
THCD9	N/D	N/D	N/D
THCD8	N/D	N/D	N/D
CBC	N/D	N/D	N/D
CBNA	N/D	N/D	N/D
THCA	N/D	N/D	N/D
CBCA	0.01%	0.09	5.11
Totals	0.94%	9.36	561.40



Total THC %	0.00%
Total THC mg / 2 oz Jar	0.00
Total CBD %	0.93%
Total CBD mg / 2 oz Jar	556.29



THC Total = % of THCD9 + (% of THCA x 0.877), CBD Total = % of CBD + (% of CBDA x 0.877), CBG Total = % of CBG + (% of CBGA x 0.876), CBN Total = % of CBN + (% of CBNA x 0.876), CBC Total = % of CBC + (% of CBCA x 0.877), CBDV Total = % of CBDV + (% of CBDVA x 0.867), N/D = Not Detected

Testing results are based solely upon the samples submitted to Ionization Labs, LLC. Ionization Labs warrants that all analytical work is conducted in accordance with all applicable standard laboratory practices using validated methods. This report may not be reproduced without the written consent of Ionization Labs.

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503-254-1794



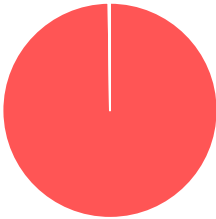
**Report Number:** 20-010672/D02.R00  
**Report Date:** 10/08/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/02/20 10:30

**Customer:** Deschutes Labs  
**Product identity:** 1060418-2020-DLF-47-TFD-01  
**Client/Metric ID:** .  
**Laboratory ID:** 20-010672-0001

**Sample Date:** 09/29/20 13:48

### Summary

#### Potency:

Analyte	Result (%)		
CBD	85.3		
CBDV <sup>†</sup>	0.179		
		CBD-Total	85.3%
		THC-Total	<LOQ
		(Reported in percent of total sample)	

#### Residual Solvents:

All analytes passing and less than LOQ.

#### Pesticides:

All analytes passing and less than LOQ.

#### Metals:

Less than LOQ for all analytes.



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503-254-1794

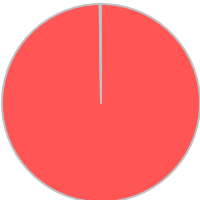


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**Customer:** Deschutes Labs

**Product identity:** 1060418-2020-DLF-47-TFD-01  
**Client/Metric ID:** .  
**Sample Date:** 09/29/20 13:48  
**Laboratory ID:** 20-010672-0001  
**Relinquished by:** UPS  
**Temp:** 20.9 °C

## Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Batch: 2008206	Analyze: 10/5/20 7:17:00 PM
Analyte	As Received	Dry weight	LOQ	 <div><span>CBD</span> <span>CBDV</span></div>	
CBC	< LOQ		0.0928		
CBC-A†	< LOQ		0.0928		
CBC-Total†	< LOQ		0.174		
CBD	85.3		0.928		
CBD-A	< LOQ		0.0928		
CBD-Total	85.3		1.01		
CBDV†	0.179		0.0928		
CBDV-A†	< LOQ		0.0928		
CBDV-Total†	0.179		0.173		
CBG†	< LOQ		0.0928		
CBG-A†	< LOQ		0.0928		
CBG-Total	< LOQ		0.173		
CBL†	< LOQ		0.0928		
CBN	< LOQ		0.0928		
Δ8-THC†	< LOQ		0.0928		
Δ9-THC	< LOQ		0.0928		
THC-A	< LOQ		0.0928		
THC-Total	< LOQ		0.174		
THCV†	< LOQ		0.0928		
THCV-A†	< LOQ		0.0928		
THCV-Total†	< LOQ		0.173		
<b>Total Cannabinoids†</b>	<b>85.5</b>				



12423 NE Whitaker Way  
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Solvents		Method EPA5021A				Units µg/g	Batch 2008240	Analyze 10/07/20 09:10 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		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
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	30.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	200	pass	
Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	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	600	pass	



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Pesticides						Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2008189 Analyze 10/05/20 05:32 PM					
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							

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.0396	2008237	10/06/20	AOAC 2013.06 (mod.)	X	
Cadmium	< LOQ		mg/kg	0.0396	2008237	10/06/20	AOAC 2013.06 (mod.)	X	
Lead	< LOQ		mg/kg	0.0396	2008237	10/06/20	AOAC 2013.06 (mod.)	X	
Mercury	< LOQ		mg/kg	0.0198	2008237	10/06/20	AOAC 2013.06 (mod.)	X	



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**Received:** 10/02/20 10:30

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

**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

**Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager







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Received: 10/02/20 10:30



Columbia Laboratories  
Sample Receipt Form

Revision: 1.01 Document Control: CF015  
Revised: 02/28/2020 Effective: 02/28/2020

Job Number: 20-010672 Search Name: \_\_\_\_\_

Package/Cooler opened on (if different than received date/time) Date: 10-2 Time: 1030

Received By (Initials): B

1) Were custody seals on outside of the package/cooler? YES ☒ NO NA  
If YES, how many and where? \_\_\_\_\_

Were signature and date correct? \_\_\_\_\_ YES NO ☒ NA

2) Were custody papers included in the package/cooler? ☒ YES NO NA

3) Were custody papers properly filled out (ink, sign, date)? ☒ YES NO NA

4) Did you sign custody papers in the appropriate place? ☒ YES NO NA

5) How was the package/cooler delivered?

☒ UPS FEDEX USPS CLIENT COURIER OTHER: \_\_\_\_\_

Tracking Number (written in or copy of shipping label): 1Z 104 E64 03 9202 6224

6) Was packing material used? YES ☒ NO NA

Peanuts Bubble Wrap Foam Paper Other: \_\_\_\_\_

7) Was sufficient ice used (if appropriate)? YES NO ☒ NA  
What kind?

Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? ☒ YES NO NA

9) Did all sample containers arrive in good condition? ☒ YES NO NA

10) Were all sample container labels complete? ☒ YES NO NA

11) Did all sample container labels and tags agree with the coc? ☒ YES NO NA

12) Were correct sample containers used for the tests indicated? ☒ YES NO NA

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO ☒ NA

14) Was a sufficient amount of sample sent in each sample container? ☒ YES NO NA

15) Temperature of the samples upon receipt (See SOP for proper temps) 20.9 °C

16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: \_\_\_\_\_

Explain any discrepancies: \_\_\_\_\_

Page 2 of 2





12423 NE Whitaker Way  
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503-254-1794



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**Report Date:** 10/08/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/02/20 10:30

Revision: 1.00 Control: CFL-C21  
Revised: 08/12/2019 Effective: 08/15/2019

### Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg		Laboratory Control Sample		Batch ID: 2008189		
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acceptate	0.048	< 0.200		0.953	1.000	95.3	68.1 - 126	
Acequinocyl	0.038	< 1.000		4.336	4.000	108.4	69.7 - 129	
Acetamiprid	0.000	< 0.100		0.367	0.400	91.6	68.9 - 128	
Aldicarb	0.134	< 0.200		0.728	0.800	91.0	67.8 - 126	
Abamectin	0.000	< 0.288		0.901	1.000	90.1	69.3 - 129	
Azoxystrobin	0.008	< 0.100		0.384	0.400	96.0	68.9 - 128	
Bifenazate	0.010	< 0.100		0.367	0.400	91.8	68.2 - 127	
Bifenthrin	0.000	< 0.100		0.367	0.400	91.8	71.4 - 133	
Boscalid	0.000	< 0.100		0.664	0.800	83.0	68.3 - 127	
Carbaryl	0.014	< 0.100		0.353	0.400	88.2	69.5 - 129	
Carbofuran	0.015	< 0.100		0.352	0.400	88.0	69.0 - 128	
Chlorantraniliprol	0.000	< 0.100		0.326	0.400	81.5	69.6 - 129	
Chlorfenapyr	0.000	< 1.000		2.013	2.000	100.6	68.1 - 126	
Chlorpyrifos	0.006	< 0.100		0.426	0.400	106.4	69.0 - 128	
Clofentezine	0.019	< 0.100		0.347	0.400	86.8	66.9 - 124	
Cyfluthrin	0.000	< 1.000		1.493	2.000	74.7	70.7 - 131	
Cypermethrin	0.087	< 1.000		1.728	2.000	86.4	71.2 - 132	
Daminozide	0.101	< 1.000		1.854	2.000	92.7	65.8 - 122	
Diazinon	0.004	< 0.100		0.374	0.400	93.5	68.3 - 127	
Dichlorvos	0.086	< 0.500		1.695	2.000	84.8	68.0 - 126	
Dimethoat	0.016	< 0.100		0.365	0.400	91.3	68.5 - 127	
Ethoprophos	0.030	< 0.100		0.375	0.400	93.9	67.9 - 126	
Etofenprox	0.016	< 0.100		0.768	0.800	96.0	69.0 - 128	
Etoxazol	0.005	< 0.100		0.376	0.400	93.9	68.2 - 127	
Fenoxycarb	0.012	< 0.100		0.347	0.400	86.8	68.6 - 127	
Fenpyroximat	0.026	< 0.100		0.731	0.800	91.4	70.2 - 130	
Fipronil	0.006	< 0.100		0.785	0.800	98.1	71.4 - 133	
Flonicamid	0.000	< 0.400		1.001	1.000	100.1	69.3 - 129	
Fludioxonil	0.000	< 0.100		0.835	0.800	104.4	69.0 - 128	
Hexythiazox	0.031	< 0.400		0.913	1.000	91.3	70.9 - 132	
Imazalil	0.011	< 0.100		0.390	0.400	97.6	71.6 - 133	
Imidacloprid	0.034	< 0.200		0.719	0.800	89.9	67.7 - 126	
Kresoxim-Methyl	0.030	< 0.100		0.743	0.800	92.9	68.9 - 128	
Malathion	0.015	< 0.100		0.377	0.400	94.3	68.8 - 128	
Metaxalyl	0.021	< 0.100		0.375	0.400	93.7	68.2 - 127	
Methiocarb	0.050	< 0.100		0.388	0.400	97.0	68.7 - 128	
Methomyl	0.000	< 0.200		0.768	0.800	96.0	67.8 - 126	
MKG 264	0.009	< 0.100		0.362	0.400	90.6	69.8 - 130	
Myclobutanil	0.012	< 0.100		0.369	0.400	92.3	67.6 - 126	
Naled	0.056	< 0.200		0.869	1.000	86.9	68.6 - 127	
Oxamyl	0.000	< 0.400		1.928	2.000	96.4	67.7 - 126	
Paclobutrazol	0.000	< 0.200		0.701	0.800	87.7	67.5 - 125	
Parathion Methyl	0.000	< 0.200		0.845	0.800	105.6	71.9 - 133	
Permethrin	0.005	< 0.100		0.431	0.400	107.8	70.1 - 130	
Phosmet	0.000	< 0.100		0.359	0.400	89.8	69.1 - 128	
Piperonyl butoxide	0.033	< 1.000		1.807	2.000	90.3	69.8 - 130	
Prallethrin	0.148	< 0.200		0.453	0.400	113.2	70.5 - 131	
Propiconazole	0.020	< 0.200		0.759	0.800	94.9	68.7 - 128	
Propoxur	0.014	< 0.100		0.366	0.400	91.4	68.0 - 126	
Pyrethrins	0.019	< 0.500		0.383	0.413	92.6	69.9 - 130	
Pyridaben	0.000	< 0.100		0.406	0.400	101.6	74.6 - 139	
Spinosad	0.000	< 0.100		0.408	0.388	105.2	75.7 - 141	
Spiromesifen	0.029	< 0.100		0.360	0.400	89.9	69.3 - 129	
Spirotetramat	0.016	< 0.100		0.386	0.400	96.6	69.1 - 128	
Spiroxamine	0.015	< 0.100		0.724	0.800	90.5	68.8 - 128	
Tebuconazol	0.020	< 0.200		0.775	0.800	96.8	68.1 - 127	
Thiacloprid	0.000	< 0.100		0.370	0.400	92.4	68.2 - 127	
Thiamethoxam	0.000	< 0.100		0.357	0.400	89.3	68.0 - 126	
Trifloxystrobin	0.002	< 0.100		0.371	0.400	92.9	69.4 - 129	



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Revision: 1.00 Control: CFL-C21  
Revised: 08/12/2019 Effective: 08/15/2019

### Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662				Units: mg/Kg				Batch ID: 2008189			
Matrix Spike/Matrix Spike Duplicate Recoveries											
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Acephate	0.038	0.944	0.931	1.000	1.4	< 30	90.7	89.4	50 - 150		
Acequinocyl	0.000	4.101	3.606	4.000	12.8	< 30	102.5	90.2	50 - 150		
Acetamiprid	0.000	0.462	0.358	0.400	25.5	< 30	115.6	89.4	50 - 150		
Aldicarb	0.153	1.314	0.758	0.800	53.6	< 30	145.2	75.7	50 - 150	R	
Abamectin	0.000	1.440	1.517	1.000	5.2	< 30	144.0	151.7	50 - 150	Q1	
Azoxystrobin	0.011	0.484	0.512	0.400	5.6	< 30	118.1	125.1	50 - 150		
Bifenazate	0.000	0.359	0.366	0.400	2.0	< 30	89.7	91.5	50 - 150		
Bifenthrin	0.000	0.805	0.828	0.400	2.9	< 30	201.2	207.1	50 - 150	Q1	
Boscalid	0.000	0.772	0.721	0.800	6.8	< 30	96.5	90.2	50 - 150		
Carbaryl	0.013	0.418	0.384	0.400	8.5	< 30	101.3	92.9	50 - 150		
Carbofuran	0.014	0.423	0.391	0.400	7.8	< 30	102.4	94.4	50 - 150		
Chlorantraniliprol	0.000	0.356	0.339	0.400	4.9	< 30	88.9	84.7	50 - 150		
Chlorfenapyr	0.000	2.074	1.696	2.000	20.1	< 30	103.7	84.8	50 - 150		
Chlorpyrifos	0.020	0.525	0.551	0.400	4.9	< 30	126.2	132.8	50 - 150		
Clofentezine	0.000	0.417	0.427	0.400	2.3	< 30	104.3	106.7	50 - 150		
Cyfluthrin	0.000	3.135	2.973	2.000	5.3	< 30	156.8	148.6	30 - 150	Q1	
Cypermethrin	0.000	1.779	1.907	2.000	7.0	< 30	88.9	95.3	50 - 150		
Daminozide	0.059	1.958	1.845	2.000	5.9	< 30	94.9	89.3	30 - 150		
Diazinon	0.003	0.429	0.423	0.400	1.5	< 30	106.6	104.9	50 - 150		
Dichlorvos	0.084	2.064	2.055	2.000	0.5	< 30	99.0	98.6	50 - 150		
Dimethoat	0.000	0.767	0.382	0.400	66.9	< 30	191.7	95.6	50 - 150	R,Q1	
Ethoprophos	0.029	0.343	0.294	0.400	15.4	< 30	78.6	66.3	50 - 150		
Etofenprox	0.020	0.881	0.973	0.800	9.9	< 30	107.5	119.1	50 - 150		
Etoxazol	0.004	0.353	0.384	0.400	8.1	< 30	87.4	94.9	50 - 150		
Fenoxycarb	0.000	0.378	0.376	0.400	0.4	< 30	94.4	94.0	50 - 150		
Fenpyroximat	0.000	0.684	0.696	0.800	1.7	< 30	85.5	86.9	50 - 150		
Fipronil	0.009	1.011	0.992	0.800	1.8	< 30	125.2	122.9	50 - 150		
Flonicamid	0.028	0.869	0.921	1.000	5.8	< 30	84.1	89.3	50 - 150		
Fludioxonil	0.000	0.990	1.087	0.800	9.3	< 30	123.7	135.9	50 - 150		
Hexythiazox	0.000	2.105	2.200	1.000	4.4	< 30	210.5	220.0	50 - 150		
Imazalil	0.065	0.388	0.379	0.400	2.4	< 30	80.9	78.6	50 - 150		
Imidacloprid	0.032	0.734	0.756	0.800	3.0	< 30	87.7	90.5	50 - 150		
Kresoxim-Methyl	0.000	0.718	0.757	0.800	5.3	< 30	89.7	94.7	50 - 150		
Malathion	0.011	0.419	0.437	0.400	4.2	< 30	102.1	106.6	50 - 150		
Metaxalyl	0.020	0.377	0.391	0.400	3.6	< 30	89.4	92.9	50 - 150		
Methiocarb	0.051	0.445	0.428	0.400	3.9	< 30	98.4	94.1	50 - 150		
Methomyl	0.000	0.769	0.798	0.800	3.7	< 30	96.1	99.8	50 - 150		
MGK 264	0.000	0.382	0.378	0.400	0.9	< 30	95.4	94.6	50 - 150		
Myclobutanil	0.010	0.341	0.352	0.400	3.1	< 30	82.8	85.4	50 - 150		
Naled	0.000	1.178	1.095	1.000	7.3	< 30	117.8	109.5	50 - 150		
Oxamyl	0.000	2.072	2.031	2.000	2.0	< 30	103.6	101.6	50 - 150		
Paclobutrazol	0.031	0.687	0.685	0.800	0.4	< 30	82.1	81.8	50 - 150		
Parathion Methyl	0.000	0.643	0.676	0.800	5.0	< 30	80.4	84.5	30 - 150		
Permethrin	0.010	0.412	0.421	0.400	2.2	< 30	100.7	103.0	50 - 150		
Phosmet	0.000	0.380	0.402	0.400	5.6	< 30	94.9	100.4	50 - 150		
Piperonyl butoxide	0.006	2.221	2.180	2.000	1.9	< 30	110.8	108.7	50 - 150		
Prallethrin	0.000	0.725	0.724	0.400	0.2	< 30	181.3	181.0	50 - 150	Q1	
Propiconazole	0.006	0.819	0.792	0.800	3.4	< 30	101.5	98.2	50 - 150		
Propoxur	0.012	0.449	0.371	0.400	19.1	< 30	109.2	89.6	50 - 150		
Pyrethrins	0.000	0.403	0.410	0.413	1.7	< 30	97.6	99.3	50 - 150		
Pyridaben	0.000	0.311	0.308	0.400	0.8	< 30	77.7	77.1	50 - 150		
Spinosad	0.000	0.396	0.411	0.388	3.6	< 30	102.1	105.8	50 - 150		
Spiromesifen	0.013	0.417	0.409	0.400	2.0	< 30	101.0	99.0	50 - 150		
Spirotetramat	0.015	0.337	0.352	0.400	4.5	< 30	80.3	84.2	50 - 150		
Spiroxamine	0.014	0.720	0.726	0.800	0.9	< 30	88.1	89.0	50 - 150		
Tebuconazol	0.000	0.702	0.699	0.800	0.4	< 30	87.7	87.4	50 - 150		
Thiacloprid	0.000	0.398	0.370	0.400	7.4	< 30	99.6	92.6	50 - 150		
Thiamethoxam	0.000	0.344	0.360	0.400	4.6	< 30	86.0	90.0	50 - 150		
Trifloxystrobin	0.000	0.399	0.459	0.400	9.5	< 30	99.8	114.7	50 - 150		



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



**Report Number:** 20-010672/D02.R00  
**Report Date:** 10/08/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/02/20 10:30

Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

#### Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2008206									
Laboratory Control Sample									
Analyte	Result		Spike	Units	% Rec	Limits		Evaluation	Notes
CBDV-A	0.205		0.2	%	102	85.0 - 115		Acceptable	
CBDV	0.213		0.2	%	107	85.0 - 115		Acceptable	
CBD-A	0.212		0.2	%	106	85.0 - 115		Acceptable	
CBG-A	0.200		0.2	%	99.9	85.0 - 115		Acceptable	
CBG	0.206		0.2	%	103	85.0 - 115		Acceptable	
CBD	0.215		0.2	%	107	85.0 - 115		Acceptable	
THCV	0.197		0.2	%	98.7	85.0 - 115		Acceptable	
THCVA	0.154		0.2	%	99.2	85.0 - 115		Acceptable	
CBN	0.208		0.2	%	104	85.0 - 115		Acceptable	
THC	0.218		0.2	%	109	85.0 - 115		Acceptable	
D8THC	0.188		0.2	%	94.2	85.0 - 115		Acceptable	
CBL	0.193		0.2	%	96.4	85.0 - 115		Acceptable	
CBC	0.204		0.2	%	102	85.0 - 115		Acceptable	
THCA	0.187		0.2	%	93.7	85.0 - 115		Acceptable	
CBCA	0.191		0.2	%	95.3	85.0 - 115		Acceptable	

#### Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<LOQ	0.1	%	< 0.1	Acceptable	
CBDV	<LOQ	0.1	%	< 0.1	Acceptable	
CBD-A	<LOQ	0.1	%	< 0.1	Acceptable	
CBG-A	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
THC	<LOQ	0.1	%	< 0.1	Acceptable	
D8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CBC	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	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:** 20-010672/D02.R00  
**Report Date:** 10/08/2020  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/02/20 10:30

Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

**Laboratory Quality Control Results**

J AOAC 2015 V98-6					Batch ID: 2008206			
Sample Duplicate					Sample ID: 20-010658-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD-A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG-A	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	0.728	0.734	0.1	%	0.852	< 20	Acceptable	
CBD	0.118	0.118	0.1	%	0.649	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	0.138	0.138	0.1	%	0.162	< 20	Acceptable	
THC	14.2	14.3	0.1	%	0.314	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	0.378	0.382	0.1	%	1.22	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	

**Abbreviations**

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation  
NA - Calculation Not Applicable given non-numerical results

**Units of Measure:**

% - Percent



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



Report Number: 20-010672/D02.R00  
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Purchase Order:  
Received: 10/02/20 10:30

Laboratory Quality Control Results

EPA 5021					Batch ID: 2008240				
Method Blank					Laboratory Control Sample				
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		1140	1,190	µg/g	95.8	70 - 130	
Isobutane	ND	< 200		1400	1,520	µg/g	92.1	70 - 130	
Butane	ND	< 200		1430	1,520	µg/g	94.1	70 - 130	
2,2-Dimethylpropane	ND	< 200		1830	1,910	µg/g	95.8	70 - 130	
Methanol	ND	< 200		3010	3,230	µg/g	93.2	70 - 130	
Ethylene Oxide	ND	< 30		117	117	µg/g	100.0	70 - 130	
2-Methylbutane	ND	< 200		3030	3,200	µg/g	94.7	70 - 130	
Pentane	ND	< 200		3030	3,220	µg/g	94.1	70 - 130	
Ethanol	ND	< 200		2860	3,200	µg/g	89.4	70 - 130	
Ethyl Ether	ND	< 200		2940	3,220	µg/g	91.3	70 - 130	
2,2-Dimethylbutane	ND	< 30		289	334	µg/g	86.5	70 - 130	
Acetone	ND	< 200		2980	3,210	µg/g	92.8	70 - 130	
2-Propanol	ND	< 200		2820	3,240	µg/g	87.0	70 - 130	
Acetonitrile	ND	< 100		895	975	µg/g	91.8	70 - 130	
2,3-Dimethylbutane	ND	< 30		313	345	µg/g	90.7	70 - 130	
Dichloromethane	ND	< 200		850	976	µg/g	87.1	70 - 130	
2-Methylpentane	ND	< 30		362	330	µg/g	109.7	70 - 130	
3-Methylpentane	ND	< 30		292	331	µg/g	88.2	70 - 130	
Hexane	ND	< 30		292	340	µg/g	85.9	70 - 130	
Ethyl acetate	ND	< 200		2970	3,210	µg/g	92.5	70 - 130	
2-Butanol	ND	< 200		2840	3,210	µg/g	88.5	70 - 130	
Tetrahydrofuran	ND	< 100		851	982	µg/g	86.7	70 - 130	
Cyclohexane	ND	< 200		2860	3,210	µg/g	89.1	70 - 130	
Benzene	ND	< 1		26.4	29.8	µg/g	88.6	70 - 130	
Isopropyl Acetate	ND	< 200		2880	3,220	µg/g	89.4	70 - 130	
Heptane	ND	< 200		2970	3,200	µg/g	92.8	70 - 130	
1,4-Dioxane	ND	< 100		831	970	µg/g	85.7	70 - 130	
2-Ethoxyethanol	ND	< 30		1450	1,600	µg/g	90.6	70 - 130	
Ethylene Glycol	ND	< 200		1010	974	µg/g	103.7	70 - 130	
Toluene	ND	< 200		840	982	µg/g	85.5	70 - 130	
Ethylbenzene	ND	< 200		1690	1,970	µg/g	85.8	70 - 130	
m,p-Xylene	ND	< 200		1720		µg/g		70 - 130	
o-Xylene	ND	< 200		1700	1,910	µg/g	89.0	70 - 130	
Cumene	ND	< 30		282	320	µg/g	88.1	70 - 130	



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



**Report Number:** 20-010672/D02.R00  
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**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/02/20 10:30

QC - Sample Duplicate

Sample ID: 20-010672-0001

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	
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	200	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	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

\* Screening only

Q1 Quality Control result biased high. Only non detect samples reported.

#### Units of Measure:

µg/g - Microgram per gram or ppm

mg/Kg - Milligrams per Kilogram

Aw - Water Activity unit



12423 NE Whitaker Way  
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**Report Number:** 20-010672/D02.R00  
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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.