

# Report: COA Evaluation Summary

OLCC License No. 10087092BDA | ORELAP ID. 4147

545 SW 2nd Street, Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

Delta 8 THC, Inc  
www.delta-8.com

**PRE**  
LABORATORIES

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## Product Description

Client: **KMS Ag Consulting**

Product Name: **Lifter**

Harvest Lot: n/a

Matrix: Cannabis Plant

Metrc Source ID: n/a

Metrc Package ID: n/a

License Number: n/a

Report ID: A2335-01

Date Collected: 2020-10-13

Date Received: 2020-10-13

Report Date: 2020-10-16

Tests Requested: Moisture Analysis  
Cannabinoid Potency Analysis  
Pesticide Analysis

**Lifter**

## Evaluation Summary

Moisture Analysis

Tested Value (%)

Pass Criteria (%)

**Pass**

9.25 %

< 15.0 %

Cannabinoid Potency Analysis

Abrv.

Dry Wt. %

Dry Wt. mg/g

**Total THC \***

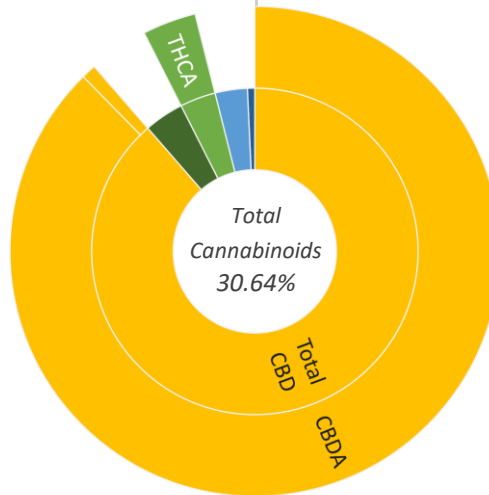
**Total CBD \***

0.95 %

23.84 %

9.5 mg/g

238.4 mg/g



THCA	1.08 %	10.8 mg/g
Δ-9-THC	< LOQ	< LOQ
Δ-8-THC	< LOQ	< LOQ
THCV	0.98 %	9.8 mg/g
CBDA	26.85 %	268.5 mg/g
CBD	0.30 %	3.0 mg/g
CBGA	1.20 %	12.0 mg/g
CBG	< LOQ	< LOQ
CBDVA	0.22 %	2.2 mg/g
CBDV	< LOQ	< LOQ
CBN	< LOQ	< LOQ
CBL	< LOQ	< LOQ
CBC	< LOQ	< LOQ

Pesticide Analysis

Pesticide Status

**Pass**

No Pesticides Were Detected above Oregon's action limit as stated in OAR 333-007-0400.

\* moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100

# Report: Case Narrative

*This certificate of analysis is prepared for...*

**KMS Ag Consulting**

**34081 Excor Rd. SW Albany OR 97321**

This report presents the analytical findings for the sample collected on 2020-10-13 by Emilie Hoss and received by PREE Laboratory on 2020-10-13. The sample was assigned a laboratory ID of A2335-01. The results in this report only apply to sample A2335-01.

This report shall not be reproduced, except in full, without written consent of PREE Laboratory. Report alterations by any other entity beside PREE Laboratory are not allowed. If alterations are made to the original report after the initial release, they will be noted on the case narrative below.

The testing methods used are of sufficient sensitivity to meet the compliance criteria set in OAR 333-007. However, it is the responsibility of the client to utilize the data to comply with standards set in OAR 333-007.

All analyses were performed in accordance with PREE Laboratory's NELAP/TNI approved quality control system and all quality control data was within the laboratory's predefined acceptance criteria unless otherwise noted in the case narrative of this report. General comments are also recorded below.

**Notes:**

R&D sample results may not be used for compliance purposes.



Sardar, Tamzid M. | Laboratory Director  
Corvallis, Oregon



*If you have any questions regarding the information in this report, please feel free to call 541-257-5002 or email PREE at services@preelab.com.*

# Report: Evaluation Detail

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<b>Moisture Analysis</b>		<b>Evaluation Detail</b>				
Product Name:	<b>Lifter</b>	Moisture Analysis	Tested Value (Moisture %)	Pass Criteria (%)	LOQ (%)	Status Pass/Unsatisfactory
Analysis Date:	2020-10-14		9.25 %	< 15.0 %	0.01 %	Pass
Testing Batch ID:	V852					
Testing Method:	LSOP #301 Moisture Analysis					

<b>Cannabinoid Potency Analysis</b>		<b>Evaluation Detail</b>					
Product Name:	<b>Lifter</b>	Cannabinoid Potency Analysis	Compound	Abv.	Dry Wt. (%)	Dry Wt. (mg/g)	RL (%)
Analysis Date:	1900-01-00	<b>Total THC *</b>	Tetrahydro-cannabinolic acid	THCA	1.08 %	10.8	0.1 %
Testing Batch ID:	V853,852,851,840	0.95 %	Delta9 Tetrahydro-cannabinol	Δ-9-THC	< LOQ	< LOQ	0.1 %
Testing Method:	LSOP #303 Cannabinoid Quantification	9.5 mg/g	Delta8 Tetrahydro-cannabinol	Δ-8-THC	< LOQ	< LOQ	0.1 %
			Tetrahydrocannabivarin	THCV	0.98 %	9.8	0.1 %
		<b>Total CBD *</b>	Cannabidiolic acid	CBDA	26.85 %	268.5	0.1 %
		23.84 %	Cannabidiol	CBD	0.30 %	3.0	0.1 %
		238.4 mg/g	Cannabigerolic acid	CBGA	1.20 %	12.0	0.1 %
			Cannabigerol	CBG	< LOQ	< LOQ	0.1 %
			Cannabidivarinic acid	CBDVA	0.22 %	2.2	0.1 %
			Cannabidivarin	CBDV	< LOQ	< LOQ	0.1 %
			Cannabinol	CBN	< LOQ	< LOQ	0.1 %
			Cannabicyclol	CBL	< LOQ	< LOQ	0.1 %
			Cannabichromene	CBC	< LOQ	< LOQ	0.1 %

Note: Accreditation for Δ-8-THC, THCV, CBGA, CBG, CBDVA, CBDV, CBL, CBC, CBN is not offered by ORELAP and therefore are not accredited tests.

\* moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100

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## Pesticide Analysis

Product Name: **Lifter**

Analysis Date: 2020-10-15

Testing Batch ID: V854,853,852,851

Testing Method: *LSOP #307 Pesticides by LCMS/MS*

## Evaluation Detail

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Abamectin	< LOQ	0.50	0.10	Pass
Acephate	< LOQ	0.40	0.02	Pass
Acequinocyl	< LOQ	2.00	0.10	Pass
Acetamiprid	< LOQ	0.20	0.02	Pass
Aldicarb	< LOQ	0.40	0.02	Pass
Azoxystrobin	< LOQ	0.20	0.02	Pass
Bifenazate	< LOQ	0.20	0.02	Pass
Bifenthrin	< LOQ	0.20	0.10	Pass
Boscalid	< LOQ	0.40	0.02	Pass
Carbaryl	< LOQ	0.20	0.02	Pass
Carbofuran	< LOQ	0.20	0.02	Pass
Chlorantraniliprole	< LOQ	0.20	0.02	Pass
Chlorfenapyr	< LOQ	1.00	0.50	Pass
Chlorpyrifos	< LOQ	0.20	0.02	Pass
Clofentezine	< LOQ	0.20	0.10	Pass
Cyfluthrin	< LOQ	1.00	0.50	Pass
Cypermethrin	< LOQ	1.00	0.50	Pass
Daminozide	< LOQ	1.00	0.10	Pass
Diazinon	< LOQ	0.20	0.02	Pass
Dichlorvos	< LOQ	1.00	0.10	Pass
Dimethoate	< LOQ	0.20	0.02	Pass
Ethoprophos	< LOQ	0.20	0.02	Pass
Etofenprox	< LOQ	0.40	0.10	Pass
Etoxazole	< LOQ	0.20	0.02	Pass
Fenoxycarb	< LOQ	0.20	0.02	Pass
Fenpyroximate	< LOQ	0.40	0.10	Pass
Fipronil	< LOQ	0.40	0.02	Pass
Flonicamid	< LOQ	1.00	0.02	Pass
Fludioxonil	< LOQ	0.40	0.10	Pass
Hexythiazox	< LOQ	1.00	0.02	Pass
Imazalil	< LOQ	0.20	0.02	Pass
Imidacloprid	< LOQ	0.40	0.02	Pass
Kresoxim-methyl	< LOQ	0.40	0.10	Pass

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# Report: Evaluation Detail

## Pesticide Analysis

## Evaluation Detail

Pesticide Name	Tested Value (ppm)	Pass Criteria (ppm)	LOQ (ppm)	Status Pass/Unsatisfactory
Malathion	< LOQ	0.20	0.02	Pass
Metalaxyl	< LOQ	0.20	0.02	Pass
Methiocarb	< LOQ	0.20	0.02	Pass
Methomyl	< LOQ	0.40	0.02	Pass
Methyl-Parathion	< LOQ	0.20	0.10	Pass
MGK-264	< LOQ	0.20	0.10	Pass
Myclobutanil	< LOQ	0.20	0.10	Pass
Naled	< LOQ	0.50	0.02	Pass
Oxamyl	< LOQ	1.00	0.02	Pass
Paclobutrazol	< LOQ	0.40	0.02	Pass
Permethrins	< LOQ	0.20	0.10	Pass
Phosmet	< LOQ	0.20	0.02	Pass
Piperonyl butoxide	< LOQ	2.00	0.02	Pass
Prallethrin	< LOQ	0.20	0.10	Pass
Propiconazole	< LOQ	0.40	0.10	Pass
Propoxur	< LOQ	0.20	0.02	Pass
Pyrethrins	< LOQ	1.00	0.50	Pass
Pyridaben	< LOQ	0.20	0.02	Pass
Spinosad	< LOQ	0.20	0.02	Pass
Spiromesifen	< LOQ	0.20	0.10	Pass
Spirotetramat	< LOQ	0.20	0.02	Pass
Spiroxamine	< LOQ	0.40	0.02	Pass
Tebuconazole	< LOQ	0.40	0.02	Pass
Thiacloprid	< LOQ	0.20	0.02	Pass
Thiamethoxam	< LOQ	0.20	0.02	Pass
Trifloxystrobin	< LOQ	0.20	0.02	Pass

# Report: Quality Check



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<b>Moisture Analysis</b>		<b>Quality Control Detail</b>						
Analysis Date:	2020-10-14	Moisture Analysis		MB	LCS	Expected Value (%)	Tested Value (%)	Pass Criteria
Testing Batch ID:	V852			○		0.0%	0.6%	± 2.5%
					●	100.0%	100.0%	± 2.5%
<b>Cannabinoid Potency Analysis</b>		<b>Quality Control Detail</b>						
Analysis Date:	1900-01-00	Cannabinoid Potency Analysis		MB	LCS	Expected Value (%)	Tested Value (%)	Pass Criteria
Testing Batch ID:	V853,852,851,840	Tetrahydro-cannabinolic acid		○		< 0.1%	< 0.1%	< 0.1%
		Delta9 Tetrahydro-cannabinol		○		< 0.1%	< 0.1%	< 0.1%
		Cannabidiolic acid		○		< 0.1%	< 0.1%	< 0.1%
		Cannabidiol		○		< 0.1%	< 0.1%	< 0.1%
		Tetrahydro-cannabinolic acid			●	100.0%	110.5%	80-120%
		Delta9 Tetrahydro-cannabinol			●	100.0%	99.3%	80-120%
		Cannabidiolic acid			●	100.0%	105.6%	80-120%
		Cannabidiol			●	100.0%	101.9%	80-120%

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## Pesticide Analysis

Analysis Date: 2020-10-15

Testing Batch ID: V854,853,852,851

## Quality Control Detail

Pesticide Name	MB	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Abamectin	o	< 0.1	< 0.1	< 0.1
Acephate	o	< 0.02	< 0.02	< 0.02
Acequinocyl	o	< 0.1	< 0.1	< 0.1
Acetamiprid	o	< 0.02	< 0.02	< 0.02
Aldicarb	o	< 0.02	< 0.02	< 0.02
Azoxystrobin	o	< 0.02	< 0.02	< 0.02
Bifenazate	o	< 0.02	< 0.02	< 0.02
Bifenthrin	o	< 0.1	< 0.1	< 0.1
Boscalid	o	< 0.02	< 0.02	< 0.02
Carbaryl	o	< 0.02	< 0.02	< 0.02
Carbofuran	o	< 0.02	< 0.02	< 0.02
Chlorantraniliprole	o	< 0.02	< 0.02	< 0.02
Chlorfenapyr	o	< 0.5	< 0.5	< 0.5
Chlorpyrifos	o	< 0.02	< 0.02	< 0.02
Clofentezine	o	< 0.1	< 0.1	< 0.1
Cyfluthrin	o	< 0.5	< 0.5	< 0.5
Cypermethrin	o	< 0.5	< 0.5	< 0.5
Daminozide	o	< 0.1	< 0.1	< 0.1
Diazinon	o	< 0.02	< 0.02	< 0.02
Dichlorvos	o	< 0.1	< 0.1	< 0.1
Dimethoate	o	< 0.02	< 0.02	< 0.02
Ethoprophos	o	< 0.02	< 0.02	< 0.02
Etofenprox	o	< 0.1	< 0.1	< 0.1
Etoxazole	o	< 0.02	< 0.02	< 0.02
Fenoxycarb	o	< 0.02	< 0.02	< 0.02
Fenpyroximate	o	< 0.1	< 0.1	< 0.1
Fipronil	o	< 0.02	< 0.02	< 0.02
Flonicamid	o	< 0.02	< 0.02	< 0.02
Fludioxonil	o	< 0.1	< 0.1	< 0.1
Hexythiazox	o	< 0.02	< 0.02	< 0.02
Imazalil	o	< 0.02	< 0.02	< 0.02
Imidacloprid	o	< 0.02	< 0.02	< 0.02
Kresoxim-methyl	o	< 0.1	< 0.1	< 0.1

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## Quality Control Detail

Pesticide Name	MB	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Malathion	o	< 0.02	< 0.02	< 0.02
Metalaxyl	o	< 0.02	< 0.02	< 0.02
Methiocarb	o	< 0.02	< 0.02	< 0.02
Methomyl	o	< 0.02	< 0.02	< 0.02
Methyl-Parathion	o	< 0.1	< 0.1	< 0.1
MGK-264 I	o	< 0.1	< 0.1	< 0.1
MGK-264 II	o	< 0.1	< 0.1	< 0.1
Myclobutanil	o	< 0.1	< 0.1	< 0.1
Naled	o	< 0.02	< 0.02	< 0.02
Oxamyl	o	< 0.02	< 0.02	< 0.02
Paclobutrazol	o	< 0.02	< 0.02	< 0.02
Permethrin - trans	o	< 0.1	< 0.1	< 0.1
Permethrin - cis	o	< 0.1	< 0.1	< 0.1
Phosmet	o	< 0.02	< 0.02	< 0.02
Piperonyl butoxide	o	< 0.02	< 0.02	< 0.02
Prallethrin	o	< 0.1	< 0.1	< 0.1
Propiconazole	o	< 0.1	< 0.1	< 0.1
Propoxur	o	< 0.02	< 0.02	< 0.02
Pyrethrin - Cinerin	o	< 0.5	< 0.02	< 0.5
Pyrethrin - Pyrethrins/Jasmolin	o	< 0.5	< 0.5	< 0.5
Pyridaben	o	< 0.02	< 0.02	< 0.02
Spinosyn A	o	< 0.02	< 0.02	< 0.02
Spinosyn D	o	< 0.02	< 0.02	< 0.02
Spiromesifen	o	< 0.1	< 0.1	< 0.1
Spirotetramat	o	< 0.02	< 0.02	< 0.02
Spiroxamine	o	< 0.02	< 0.02	< 0.02
Tebuconazole	o	< 0.02	< 0.02	< 0.02
Thiacloprid	o	< 0.02	< 0.02	< 0.02
Thiamethoxam	o	< 0.02	< 0.02	< 0.02
Trifloxystrobin	o	< 0.02	< 0.02	< 0.02

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## Quality Control Detail

Pesticide Name	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Abamectin	•	1.00	1.011	0.6 - 1.4
Acephate	•	1.00	0.945	0.6 - 1.4
Acequinocyl	•	1.00	0.960	0.6 - 1.4
Acetamiprid	•	1.00	0.978	0.6 - 1.4
Aldicarb	•	1.00	0.983	0.6 - 1.4
Azoxystrobin	•	1.00	1.003	0.6 - 1.4
Bifenazate	•	1.00	1.007	0.6 - 1.4
Bifenthrin	•	1.00	0.945	0.6 - 1.4
Boscalid	•	1.00	0.997	0.6 - 1.4
Carbaryl	•	1.00	0.995	0.6 - 1.4
Carbofuran	•	1.00	0.984	0.6 - 1.4
Chlorantraniliprole	•	1.00	1.039	0.6 - 1.4
Chlorfenapyr	•	1.00	0.954	0.6 - 1.4
Chlorpyrifos	•	1.00	0.954	0.6 - 1.4
Clofentezine	•	1.00	0.977	0.6 - 1.4
Cyfluthrin	•	1.00	0.841	0.6 - 1.4
Cypermethrin	•	1.00	0.976	0.6 - 1.4
Daminozide	•	1.00	0.972	0.6 - 1.4
Diazinon	•	1.00	0.983	0.6 - 1.4
Dichlorvos	•	1.00	0.931	0.6 - 1.4
Dimethoate	•	1.00	1.035	0.6 - 1.4
Ethoprophos	•	1.00	0.978	0.6 - 1.4
Etofenprox	•	1.00	0.965	0.6 - 1.4
Etoxazole	•	1.00	0.962	0.6 - 1.4
Fenoxycarb	•	1.00	0.987	0.6 - 1.4
Fenpyroximate	•	1.00	0.982	0.6 - 1.4
Fipronil	•	1.00	1.012	0.6 - 1.4
Flonicamid	•	1.00	0.969	0.6 - 1.4
Fludioxonil	•	1.00	1.023	0.6 - 1.4
Hexythiazox	•	1.00	0.972	0.6 - 1.4
Imazalil	•	1.00	0.982	0.6 - 1.4
Imidacloprid	•	1.00	0.999	0.6 - 1.4
Kresoxim-methyl	•	1.00	1.010	0.6 - 1.4

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## Quality Control Detail

Pesticide Name	LCS	Expected Value (ppm)	Tested Value (ppm)	Pass Criteria (ppm)
Malathion	•	1.00	0.980	0.6 - 1.4
Metalaxyl	•	1.00	1.007	0.6 - 1.4
Methiocarb	•	1.00	0.992	0.6 - 1.4
Methomyl	•	1.00	0.986	0.6 - 1.4
Methyl-Parathion	•	1.00	0.942	0.6 - 1.4
MGK-264 I	•	1.00	0.984	0.6 - 1.4
MGK-264 II	•	1.00	0.992	0.6 - 1.4
Myclobutanil	•	1.00	0.938	0.6 - 1.4
Naled	•	1.00	0.965	0.6 - 1.4
Oxamyl	•	1.00	1.009	0.6 - 1.4
Paclobutrazol	•	1.00	0.939	0.6 - 1.4
Permethrin - trans	•	1.00	0.983	0.6 - 1.4
Permethrin - cis	•	1.00	0.963	0.6 - 1.4
Phosmet	•	1.00	0.998	0.6 - 1.4
Piperonyl butoxide	•	1.00	0.964	0.6 - 1.4
Prallethrin	•	1.00	0.969	0.6 - 1.4
Propiconazole	•	1.00	0.938	0.6 - 1.4
Propoxur	•	1.00	1.002	0.6 - 1.4
Pyrethrin - Cinerin	•	1.00	0.952	0.6 - 1.4
Pyrethrin - Pyrethrins/Jasmolin	•	1.00	0.957	0.6 - 1.4
Pyridaben	•	1.00	0.973	0.6 - 1.4
Spinosyn A	•	1.00	0.953	0.6 - 1.4
Spinosyn D	•	1.00	0.941	0.6 - 1.4
Spiromesifen	•	1.00	0.953	0.6 - 1.4
Spirotetramat	•	1.00	0.960	0.6 - 1.4
Spiroxamine	•	1.00	1.066	0.6 - 1.4
Tebuconazole	•	1.00	0.945	0.6 - 1.4
Thiacloprid	•	1.00	0.973	0.6 - 1.4
Thiamethoxam	•	1.00	0.993	0.6 - 1.4
Trifloxystrobin	•	1.00	0.994	0.6 - 1.4

## Definitions

- Limit of Quantitation (LOQ): The minimum level, concentration, or quantity of a target analyte that can be reported with a specific degree of confidence.
- Method Blank (MB): A quality control sample that is free of the analyte being measured.
- Laboratory Control Sample (LCS): A quality control sample with a known amount of the analyte used to demonstrate accuracy.
- Field Duplicate: A second sample collected in the field using the same sampling method as the primary sample.
- Action Limit: Analyte levels set by the state of Oregon (OAR 333-007) indicating that follow-up action is necessary.
- ppm: parts per million, equivalent to 1 µg/g and 1 µg/L or 0.001 mg/g and 0.001 mg/L
- COA: Certificate of Analysis.

## Calculations

- Cannabinoid Potency :  
Wet WT% = (Exported concentration ppm) x (Dilution) x (Extraction Vol./Wet wt mg) x 100  
Total THC% = (%THCA) x 0.877 + (%THC)  
Total CBD% = (%CBDA) x 0.877 + (%CBD)  
Total THC (Dry WT)% = % total THC(wet) / [1-(% moisture/100)]  
Total CBD (Dry WT)% = % total CBD(wet) / [1-(% moisture/100)]
- Percentage Recovery :  
% Rec. = [(Amount measured) / (Known amount)] \* 100