



# Certificate of Analysis

R&D

**THE ORIGINAL OIL SHOP**  
WWW.THEORIGINALOILSHOP.COM  
SALT LAKE CITY, UT 84101

Batch # 8002  
Batch Date: 2020-12-28  
Extracted From: Hemp

Test Reg State: Utah

Order # THE201228-050010  
Order Date: 2020-12-28  
Sample # AAAW150

Sampling Date: 2020-12-30  
Lab Batch Date: 2020-12-30  
Completion Date: 2021-01-07

Initial Gross Weight: 184272.000 g  
Net Weight: 184272.000 mg



Product Image

Potency Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Listeria Monocytogenes Passed

Pathogenic Passed



## Potency - 11

Specimen Weight: N/A

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	10.000	0.000054	0.001	0.242	0.024
CBDA	10.000	0.00001	0.001	0.127	0.013
Delta-9 THC	10.000	0.000013	0.001	0.034	0.003
CBC	10.000	0.000018	0.001	<LOQ	
THCV	10.000	0.000007	0.001	<LOQ	
Delta-8 THC	10.000	0.000026	0.001	<LOQ	
CBN	10.000	0.000014	0.001	<LOQ	
CBGA	10.000	0.00008	0.001	<LOQ	
CBG	10.000	0.000248	0.001	<LOQ	
CBDV	10.000	0.000065	0.001	<LOQ	
THCA-A	10.000	0.000032	0.001	<LOQ	

## Tested (HPLC/LCMS)

## Potency Summary

<b>Total CBD</b> 0.035% 65.127mg	<b>Total THC</b> 0.003% 6.201mg
<b>Total CBG</b> None Detected	<b>Total CBN</b> None Detected
<b>Other Cannabinoids</b> None Detected	<b>Total Cannabinoids</b> 0.039% 71.328mg

*Xueli Gao*

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

*Aixia Sun*

Aixia Sun  
Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, \*Measurement of Uncertainty = +/- 5%

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Initial Gross Weight: 184272.000 g  
Net Weight: 184272.000 mg

## Heavy Metals (For UT Clients ONLY)

Passed  
(ICP-MS)

Specimen Weight: N/A

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	2000	<LOQ	Cadmium (Cd)	100	820	<LOQ
Lead (Pb)	100	1200	886.000	Mercury (Hg)	100	400	<LOQ
Total Contaminant Load (TCL)	886 ppb						



## Mycotoxin - Utah

Passed  
(LCMS)

Specimen Weight: 162.940 mg

Dilution Factor: 9.206

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin B2	6	20	<LOQ
Aflatoxin G1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Ochratoxin A	12	20	<LOQ				

*Xueli Gao*      *Aixia Sun*

Xueli Gao      Lab Toxicologist  
Ph.D., DABT

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Lab Director/Principal  
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Sampling Date: 2020-12-30  
Lab Batch Date: 2020-12-30  
Completion Date: 2021-01-07

Initial Gross Weight: 184272.000 g  
Net Weight: 184272.000 mg

**Pesticides (UT Levels)** **Passed**  
(LCMS/GCMS)

Specimen Weight: 162.940 mg

Dilution Factor: 9.206

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	500	<LOQ	Acephate	30	400	<LOQ
Acequinocyl	48	2000	<LOQ	Acetamiprid	30	200	<LOQ
Aldicarb	30	400	<LOQ	Azoxystrobin	10	200	<LOQ
Bifenazate	30	200	<LOQ	Bifenthrin	30	200	<LOQ
Boscalid	30	400	<LOQ	Carbaryl	10	200	<LOQ
Carbofuran	30	200	<LOQ	Chlorantraniliprole	30	200	<LOQ
Chlorfenapyr	48	1000	<LOQ	Chlorpyrifos	30	200	<LOQ
Clofentezine	30	200	<LOQ	Cyfluthrin	30	1000	<LOQ
Cypermethrin	30	1000	<LOQ	Daminozide	30	1000	<LOQ
Diazinon	30	200	<LOQ	Dichlorvos	30	100	<LOQ
Dimethoate	30	200	<LOQ	Ethoprophos	30	200	<LOQ
Etofenprox	30	400	<LOQ	Etoazoxole	30	200	<LOQ
Fenoxycarb	30	200	<LOQ	Fenpyroximate	30	400	<LOQ
Fipronil	30	400	<LOQ	Fonicamid	30	1000	<LOQ
Fludioxonil	30	400	<LOQ	Hexythiazox	30	1000	<LOQ
Imazalil	30	200	<LOQ	Imidacloprid	30	400	<LOQ
Kresoxim Methyl	30	400	<LOQ	Metalaxyl	10	200	<LOQ
Methiocarb	30	200	<LOQ	Methomyl	30	400	<LOQ
MGK-264	48	200	<LOQ	Myclobutanil	30	200	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	1000	<LOQ
Paclobutrazol	30	400	<LOQ	Phosmet	30	200	<LOQ
Piperonylbutoxide	30	2000	<LOQ	Prallethrin	30	200	<LOQ
Propiconazole	30	400	<LOQ	Propoxur	30	200	<LOQ
Pyrethrins	30	1000	<LOQ	Pyridaben	30	200	<LOQ
Spinosad	30	200	<LOQ	Spiromesifen	30	200	<LOQ
Spirotetramat	30	200	<LOQ	Spiroxamine	30	400	<LOQ
Tebuconazole	30	400	<LOQ	Thiacloprid	30	200	<LOQ
Thiamethoxam	30	200	<LOQ	Trifloxystrobin	30	200	<LOQ
Total Contaminant Load (TCL)			886 ppb				

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**Listeria Monocytogenes** **Passed**  
(qPCR)

Specimen Weight: **N/A**

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

**Pathogenic SE (qPCR)** **Passed**  
(qPCR)

Specimen Weight: **N/A**

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E.Coli	1	Absence	Salmonella	1	Absence

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