



Certificate of Analysis

R&D

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

Batch # 5002
Batch Date: 2020-12-28
Extracted From: Hemp

Test Reg State: Utah

Order # THE201228-050010
Order Date: 2020-12-28
Sample # AAAW153

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

Initial Gross Weight: 66.512 g
Net Weight: 59147.000 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	3.321	0.332
CBC	10.000	0.000018	0.001		<LOQ
THCV	10.000	0.000007	0.001		<LOQ
Delta-9 THC	10.000	0.000013	0.001		<LOQ
Delta-8 THC	10.000	0.000026	0.001		<LOQ
CBN	10.000	0.000014	0.001		<LOQ
CBGA	10.000	0.000008	0.001		<LOQ
CBG	10.000	0.000248	0.001		<LOQ
CBDV	10.000	0.000065	0.001		<LOQ
CBDA	10.000	0.000001	0.001		<LOQ
THCA-A	10.000	0.000032	0.001		<LOQ

Tested (HPLC/LCMS)

Potency Summary

Total CBD 0.332%	Total THC None Detected
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids None Detected	Total Cannabinoids 0.332%
	196.427mg
	196.427mg

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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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	<LOQ	Mercury (Hg)	100	400	<LOQ
Total Contaminant Load (TCL)	None Detected						



Mycotoxin - Utah

Passed
(LCMS)

Specimen Weight: 184.070 mg

Dilution Factor: 8.149

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

Specimen Weight: 184.070 mg

Dilution Factor: 8.149

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)			None Detected				

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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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