

Regulatory Compliance Testing

Sonoma Lab Works
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License: C8-000015-LIC

Certificate of Analysis

Distributor:	<i>Big Moon Sky Inc</i>	Client:	<i>The Oil Plant, Inc.</i>
Distributor Address:	<i>208 6th St. , Colusa CA</i>	Client Address:	<i>3416 Standish Ave Ste #102, Santa Rosa CA</i>
Distributor License #:	<i>C11-0000699-LIC</i>	Client License #:	<i>CDPH-10002262</i>
Date Collected:	<i>08/23/2019</i>	Batch #:	<i>TOP-CBD-1185</i>
Date Received:	<i>8/23/2019</i>	Dates of Analysis:	<i>8/27/2019 - 8/29/2019</i>

Sample Code:	<i>19C000699</i>
Sample Type:	<i>Non-Inhalable</i>
Sample Matrix:	<i>Tinctures</i>
Sample Name:	<i>30mL Extra Strength CBD Infused Olive Oil</i>
METRC Tag:	
Total Batch:	<i>506 Units</i>
Primary Sample:	<i>8 Units</i>

Test Summary

Overall Batch Result	Pass	
Total Calculated d9-THC (mg/ml)	1.53	Pass
Total d9 THC (mg) per package	45.90	
Total Calculated CBD (mg/ml)	29.63	
Total CBD (mg) per package	866.97	
Total Cannabinoids (mg) per package	989.01	
Residual Solvents (Detect/No Detect)	Detect	Pass
Microbial Result (Pass/Fail)	ND	Pass
Pesticide Screen (Detect/No Detect)	ND	Pass
Heavy Metals Screen (Detect/No Detect)	Detect	Pass
Mycotoxin Screen (Detect/No Detect)	ND	Pass
Total Terpenes (%)	NT	N/A
Percent Moisture (%)	NT	NT
Water Activity (Aw)	NT	NT
Foreign Material (Present/Absent)	ND	Pass



Sample Information

Density (g/ml)	.9
Average Weight/Package (ml)	30.00

David Chen
 Laboratory Director
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8/29/2019

Date

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Regulatory Compliance Testing

Certificate of Analysis V8.2.2 Revision: 3/28/19 DC

Potency Test Result		Tinctures			
SOP: [BLW-CJ] Method: HPLC		Date Tested: 8/29/2019			
Target Analyte	% Test	mg/ml	LOD mg/ml	LOQ mg/ml	Pass/Fail
CBD	0.09	0.83	0.01	0.05	N/A
CBGA	ND	ND	0.01	0.05	N/A
CBG	0.05	0.48	0.01	0.05	N/A
CBD	3.21	28.90	0.01	0.05	N/A
THCV	ND	ND	0.01	0.05	N/A
CBN	ND	ND	0.01	0.05	N/A
THCA	ND	ND	0.01	0.05	Pass
Delta 9-THC (d9-THC)	0.17	1.53	0.01	0.05	Pass
Delta 8-THC (d8-THC)	ND	ND	0.01	0.05	N/A
CBC	0.14	1.23	0.01	0.05	N/A

*All cannabinoid results calculated in accordance with 5724. of CA Code of Regulations Title 16

Residual Solvent Screen - Category 1				California Limit - All Products
SOP: [BLW-RS] Method: GCMS				Date Tested: 8/29/2019
Target Analyte	PPM (ug/g)	LOD (ug/g)	LOQ (ug/g)	Pass/Fail
1,2-Dichloroethane	ND	1	1	Pass
Benzene	ND	1	1	Pass
Chloroform	ND	1	1	Pass
Ethylene oxide	ND	1	1	Pass
Methylene chloride	ND	1	1	Pass
Trichloroethylene	ND	1	1	Pass

Residual Solvent Screen - Category 2					California Limit - Cannabis Product
SOP: [BLW-RS] Method: GCMS					Date Tested: 8/29/2019
Target Analyte	PPM	LOD (ug/g)	LOQ (ug/g)	PPM (ug/g)	Pass/Fail
Acetone	ND	100	500	5000	Pass
Acetonitrile	ND	5	41	410	Pass
Butane	ND	100	1000	5000	Pass
Ethanol	66.17	1	10	1000000.0	Pass
Ethyl acetate	ND	100	500	5000	Pass
Ethyl ether	ND	100	500	5000	Pass
Heptane	ND	100	500	5000	Pass
Hexane	ND	1	29	290	Pass
Isopropyl Alcohol	64.97	1	10	5000	Pass
Methanol	ND	100	300	3000	Pass
Pentane	ND	100	500	5000	Pass
Propane	ND	500	5000	5000	Pass
Toluene	ND	100	100	890	Pass
Total Xylenes	ND	1.0	10.0	2170	Pass

Microbial Screen		California Limit
SOP: [BLW-MJ] qPCR PathoDEK™		Date Tested: 8/29/2019
Microbiological Assay	Threshold	Pass/Fail
Salmonella	ND Detect/1 gram	Pass
Escherichia Coli (STEC)	ND Detect/1 gram	Pass
Aspergillus niger	NT	NT
Aspergillus fumigatus	NT	NT
Aspergillus flavus	NT	NT
Aspergillus terreus	NT	NT

Heavy Metals Screen				California Limit - Non-Inhalable Cannabis	
SOP: [BLW-HM] Method: ICPMS				Date Tested: 8/29/2019	
Target Analyte	PPM	LOD (ug/g)	LOQ (ug/g)	PPM (ug/g)	Pass/Fail
Cadmium	ND	0.05	0.1	0.5	Pass
Lead	<LOQ	0.05	0.1	0.5	Pass
Arsenic	ND	0.05	0.1	1.5	Pass
Mercury	ND	0.05	0.1	3.0	Pass

Mycotoxin Screen					California Limit
SOP: [BLW-MA] Method: LCMSMS					Date Tested: 8/29/2019
Target Analyte	PPB (ug/kg)	LOD (ug/kg)	LOQ (ug/kg)	PPB (ug/kg)	Pass/Fail
Aflatoxin B1	ND	1.0	4.0	20.00	Pass
Aflatoxin B2	ND	1.0	4.0	20.00	Pass
Aflatoxin G1	ND	1.0	4.0	20.00	Pass
Aflatoxin G2	ND	1.0	4.0	20.00	Pass
Total Aflatoxins	ND	4.0	16.0	20.00	Pass
Ochratoxin A	ND	1.0	4.0	20.00	Pass

Terpene Test Result				
SOP: [BLW-TA] GC/MS				
Date Tested:				
Target Analyte	% Test	mg/g	LOD (mg/g)	LOQ (mg/g)
alpha-Bisabolol	NT	NT	0.002	0.010
Camphene	NT	NT	0.002	0.010
delta-3-Carene	NT	NT	0.002	0.010
beta-Caryophyllene	NT	NT	0.002	0.010
Caryophyllene Oxide	NT	NT	0.002	0.010
p-Cymene	NT	NT	0.002	0.010
Eucalyptol	NT	NT	0.002	0.010
Geraniol	NT	NT	0.002	0.010
Guaiol	NT	NT	0.002	0.010
alpha-Humulene	NT	NT	0.002	0.010
Isopulegol	NT	NT	0.002	0.010
delta-Limonene	NT	NT	0.002	0.010
Linalool	NT	NT	0.002	0.010
beta-Myrcene	NT	NT	0.002	0.010
Nerolidol 1	NT	NT	0.002	0.010
Nerolidol 2	NT	NT	0.002	0.010
beta-Ocimene	NT	NT	0.002	0.010
alpha-Ocimene	NT	NT	0.002	0.010
alpha-Pinene	NT	NT	0.002	0.010
beta-Pinene	NT	NT	0.002	0.010
alpha-Terpinene	NT	NT	0.002	0.010
Gamma-Terpinene	NT	NT	0.002	0.010
Terpinolene	NT	NT	0.002	0.010

Client:	The Oil Plant, Inc.
Client Address:	3416 Standish Ave Ste #102, Santa Rosa CA
Client License#:	CDPH-10002262
Batch #	TOP-CBD-1185
Date of Analysis:	08/29/2019
Sample Name:	30mL Extra Strength CBD Infused Olive Oil

Percent Moisture (%)	N/A	California Limit
SOP: [BLW-MO] Method: Analyze		N/A
Date Tested:		
Water Activity (Aw)	N/A	N/A
SOP: [BLW-AW] A. Probe		
Date Tested:		
Foreign Material	ND	Pass
SOP: [BLW-FM] Visual Inspection		
Date Tested:	8/29/2019	
	1/4 total sample area	

Pesticide Screen Result - Category 1				California Limit - All Products
SOP: [BLW-PA] Method: LCMSMS ES/IGCMSMS				Date Tested: 8/29/2019
Target Analyte	PPM (ug/g)	LOD (ug/g)	LOQ (ug/g)	Pass/Fail
Aldicarb	ND	0.02	0.08	Pass
Carbofuran	ND	0.02	0.08	Pass
Chlordane	ND	0.05	0.10	Pass
Chlorfenapyr	ND	0.05	0.10	Pass
Chlorpyrifos	ND	0.02	0.08	Pass
Coumaphos	ND	0.02	0.08	Pass
Daminozide	ND	0.02	0.08	Pass
Dichlorvos	ND	0.02	0.08	Pass
Dimethoate	ND	0.02	0.08	Pass
Ethionprop(hos)	ND	0.02	0.08	Pass
Etofenprox	ND	0.02	0.08	Pass
Fenoxycarb	ND	0.02	0.08	Pass
Fipronil	ND	0.02	0.08	Pass
Imazalil	ND	0.02	0.08	Pass
Methiocarb	ND	0.02	0.08	Pass
Methyl Parathion	ND	0.05	0.10	Pass
Mevinphos	ND	0.02	0.08	Pass
Paclobutrazol	ND	0.02	0.08	Pass
Propoxur	ND	0.02	0.08	Pass
Spiroxamine	ND	0.02	0.08	Pass
Thiacloprid	ND	0.02	0.08	Pass

Pesticide Screen Result - Category 2					California Limit - Non-Inhalable Cannabis
SOP: [BLW-PA] Method: LCMSMS ES/IGCMSMS					Date Tested: 8/29/2019
Target Analyte	PPM (ug/g)	LOD (ug/g)	LOQ (ug/g)	PPM (ug/g)	Pass/Fail
Acephate	ND	0.02	0.08	5.0	Pass
Acequinocyl	ND	0.02	0.08	4.0	Pass
Acetamiprid	ND	0.02	0.08	5.0	Pass
Avermectin B1a (Abamectin)	ND	0.02	0.08	0.3	Pass
Avermectin B1b (Abamectin)	ND	0.10	0.20	0.3	Pass
Azoxystrobin	ND	0.02	0.08	40.0	Pass
Bifenazate	ND	0.02	0.08	5.0	Pass
Bifenthrin	ND	0.02	0.08	0.5	Pass
Boscalid	ND	0.02	0.08	10.0	Pass
Captan	ND	0.12	0.20	5.0	Pass
Carbaryl	ND	0.02	0.08	0.5	Pass
Chlorantranilprole	ND	0.02	0.08	40.0	Pass
Clofentazine	ND	0.02	0.08	0.5	Pass
Cyfluthrin	ND	0.02	0.10	1.0	Pass
Cypermethrin	ND	0.05	0.10	1.0	Pass
Diazinon	ND	0.02	0.08	0.2	Pass
Dimethomorph	ND	0.02	0.08	20.0	Pass
Etoxazole	ND	0.02	0.08	1.5	Pass
Fenhexamid	ND	0.02	0.08	10.0	Pass
Fenproyoximate	ND	0.02	0.08	2.0	Pass
Fonicamid	ND	0.02	0.08	2.0	Pass
Fludioxonil	ND	0.02	0.08	30.0	Pass
Hexythiazox	ND	0.02	0.08	2.0	Pass
Imidacloprid	ND	0.02	0.08	3.0	Pass
Kresoxim-methyl	ND	0.02	0.08	1.0	Pass
Malathion	ND	0.02	0.08	5.0	Pass
Metaxyl	ND	0.02	0.08	15.0	Pass
Methomyl	ND	0.02	0.08	0.1	Pass
Myclobutanil	ND	0.02	0.08	9.0	Pass
Naled	ND	0.02	0.08	0.5	Pass
Oxamyl	ND	0.02	0.08	0.2	Pass
Pentachloronitrobenzene	ND	0.05	0.10	0.2	Pass
Permethrin, CIS-	ND	0.02	0.08	20.0	Pass
Permethrin, Trans-	ND	0.02	0.08	20.0	Pass
Phosmet	ND	0.02	0.08	0.2	Pass
Piperonyl butoxide	ND	0.02	0.08	8.0	Pass
Prallethrin	ND	0.02	0.08	0.4	Pass
Propiconazole	ND	0.02	0.08	20.0	Pass
Pyrethrins	ND	0.02	0.08	1.0	Pass
Pyridaben	ND	0.02	0.08	3.0	Pass
Spinetoram	ND	0.02	0.08	3.0	Pass
Spinosyn A (Spinosad)	ND	0.02	0.08	3.0	Pass
Spinosyn D (Spinosad)	ND	0.08	0.16	3.0	Pass
Spiromesifen	ND	0.02	0.08	12.0	Pass
Spirotetramat	ND	0.02	0.08	13.0	Pass
Tebuconazole	ND	0.02	0.08	2.0	Pass
Thiamethoxam	ND	0.02	0.08	4.5	Pass
Trifloxystrobin	ND	0.02	0.08	30.0	Pass

ND = None Detected, NT = Not Tested, N/A = Not Applicable,
<LOQ = Less than Limit of Quantitation, LOD = Limit of Detection

All results have accompanying LQC samples adhering to section 5730 of CA Code of Regulations Title 16