



Regulatory Compliance Testing  
 Sonoma Lab Works  
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License: C8-17-0000012-TEMP

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

Distributor:	<i>Sonoma Pacific Distribution Inc</i>	Manufacturer:	<i>The Oil Plant, Inc.</i>
Distributor Address:	<i>3414 Standish Ave, Santa Rosa, CA 95407</i>	Manufacturer Address:	<i>3416 Standish Ave, Suite #102 Santa Rosa, CA 95407</i>
Distributor License #:	<i>M11-18-0000125-TEMP</i>	Manufacturer License #:	<i>CDPH-10002262</i>
Date Collected:	<i>4/12/2019</i>	Batch #	<i>TOP-CBD-1103</i>
Date Received:	<i>4/12/2019</i>	Dates of Analysis:	<i>4/13/2019 - 4/18/2019</i>

Sample Code:	<i>ST5676803</i>
Sample Type:	<i>Inhalable Cannabis or Cannabis Product</i>
Sample Matrix:	<i>Extract (Medical)</i>
Sample Name:	<i>Aunt Zelda's - 3g CBD Extract</i>
Total Batch Unit Count:	<i>254</i>
Primary Sample Unit Count:	<i>10</i>

Test Summary		
Overall Batch Result	PASS	
Total Calculated $\Delta 9$ -THC (%)*	2.86	PASS
Total $\Delta 9$ -THC (mg) per package	85.92	
Total Calculated CBD (%)*	65.21	
Total CBD (mg) per package	1956.37	
Total Cannabinoids (mg) per package	2164.35	
Residual Solvents (Detect/No Detect)	Detect	PASS
Microbial Result (Pass/Fail)	Pass	PASS
Pesticide Screen (Detect/No Detect)	ND	PASS
Heavy Metals Screen (Detect/No Detect)	ND	PASS
Mycotoxin Screen (Detect/No Detect)	ND	PASS
Total Terpenes (%)	NT	NT
Percent Moisture (%)	NT	NT
Water Activity ( $A_w$ )	NT	NT
Foreign Material (Present/Absent)	ND	Pass



Sample Information	
Density (g/ml)	N/A
Average weight per package (g)	3.0

*David Chen*

David Chen  
 Laboratory Director  
 David@sonomalabworks.com

4/18/19  
 Date

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 \*All cannabinoid results calculated in accordance with § 5724, of CA Code of Regulations Title 16

# Certificate of Analysis

V8.2.2  
Revision: 3/28/19 DC

Regulatory Compliance Testing

Potency Test Result					
SOP: [SLW-AC] Method: HPLC		Date Tested: 04/17/19		Extract (Medical)	
Target Analyte	% Test	mg/g	LOD (mg/g)	LOQ (mg/g)	Pass/Fail
CBDA	0.60	5.98	0.01	0.05	N/A
CBGA	ND	ND	0.01	0.05	N/A
CBG	1.05	10.46	0.01	0.05	N/A
CBD	64.69	646.88	0.01	0.05	N/A
THCV	0.12	1.20	0.01	0.05	N/A
CBN	0.02	0.21	0.01	0.05	N/A
THCA	ND	ND	0.01	0.05	Pass
Delta 9-THC (Δ9-THC)	2.86	28.64	0.01	0.05	Pass
Delta 8-THC (Δ8-THC)	ND	ND	0.01	0.05	N/A
CBC	2.81	28.08	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 I					California Limit - All products
SOP: [SLW-RS] Method: GCMS		Date Tested: 04/18/19			
Target Analyte	PPM	LOD (µg/g)	LOQ (µg/g)	Pass/Fail	
1,2-Dichloroethane	ND	1.0	1.0	Pass	
Benzene	ND	1.0	1.0	Pass	
Chloroform	ND	1.0	1.0	Pass	
Ethylene oxide	ND	1.0	1.0	Pass	
Methylene chloride	ND	1.0	1.0	Pass	
Trichloroethylene	ND	1.0	1.0	Pass	

Residual Solvent Screen - Category 2						California Limit - Cannabis Product
SOP: [SLW-RS] Method: GCMS		Date Tested: 04/18/19				
Target Analyte	PPM	LOD (µg/g)	LOQ (µg/g)	PPM (µg/g)	Pass/Fail	
Acetone	ND	100.0	500.0	5000	Pass	
Acetonitrile	ND	5.0	41.0	410	Pass	
Butane	ND	100.0	1000.0	5000	Pass	
Ethanol	3142	1.0	10.0	5000	Pass	
Ethyl acetate	ND	100.0	500.0	5000	Pass	
Ethyl ether	ND	100.0	500.0	5000	Pass	
Heptane	ND	100.0	500.0	5000	Pass	
Hexane	ND	1.0	29.0	290	Pass	
Isopropyl Alcohol	ND	1.0	10.0	5000	Pass	
Methanol	ND	100.0	300.0	3000	Pass	
Pentane	ND	100.0	500.0	5000	Pass	
Propane	ND	500.0	5000.0	5000	Pass	
Toluene	ND	100.0	100.0	890	Pass	
Total Xylenes	ND	1.0	10.0	2170	Pass	

Microbial Screen				California Limit
SOP: [SLW-MS] qPCR PathoSER™		Date Tested: 04/17/19		
Microbiological Assay	Threshold	Pass/Fail		
Salmonella	ND	Detect/1 gram	Pass	
Escherichia coli (STEC)	ND	Detect/1 gram	Pass	
Aspergillus niger	ND	Detect/1 gram	Pass	
Aspergillus fumigatus	ND	Detect/1 gram	Pass	
Aspergillus flavus	ND	Detect/1 gram	Pass	
Aspergillus terreus	ND	Detect/1 gram	Pass	

Heavy Metals Screen						California Limit - Inhalable Cannabis
SOP: [SLW-HMA] Method: RPMS		Date Tested: 04/15/19				
Target Analyte	PPM	LOD (µg/g)	LOQ (µg/g)	PPM (µg/g)	Pass/Fail	
Cadmium	ND	0.05	0.10	0.2	Pass	
Lead	<LOQ	0.05	0.10	0.5	Pass	
Arsenic	ND	0.05	0.10	0.2	Pass	
Mercury	ND	0.05	0.10	0.1	Pass	

Terpene Test Result				
SOP: [SLW-TA] (GC/MS)				
Target Analyte	% Test	mg/g	LOD (mg/g)	LOQ (mg/g)
alpha-Bisabolol	NT	NT	0.02	0.10
Camphene	NT	NT	0.02	0.10
delta-3-Carene	NT	NT	0.02	0.10
beta-Caryophyllene	NT	NT	0.02	0.10
Caryophyllene Oxide	NT	NT	0.02	0.10
p-Cymene	NT	NT	0.02	0.10
Geraniol	NT	NT	0.02	0.10
Guaiol	NT	NT	0.02	0.10
alpha-Humulene	NT	NT	0.02	0.10
Isopulegol	NT	NT	0.02	0.10
delta-Limonene	NT	NT	0.02	0.10
Linalool	NT	NT	0.02	0.10
beta-Myrcene	NT	NT	0.02	0.10
Nerolidol 1	NT	NT	0.02	0.10
Nerolidol 2	NT	NT	0.02	0.10
beta-Ocimene	NT	NT	0.02	0.10
alpha-Ocimene	NT	NT	0.02	0.10
alpha-Pinene	NT	NT	0.02	0.10
beta-Pinene	NT	NT	0.02	0.10
alpha-Terpinene	NT	NT	0.02	0.10
Gamma-Terpinene	NT	NT	0.02	0.10
Terpinolene	NT	NT	0.02	0.10

Mycotoxin Screen					California Limit
SOP: [SLW-MA2] Method: LCMSMS		Date Tested: 04/16/19			
Target Analyte	PPM	LOD (µg/g)	LOQ (µg/g)	PPM (µg/g)	Pass/Fail
Aflatoxin B1	ND	0.004	0.016	0.02	Pass
Aflatoxin B2	ND	0.004	0.016	0.02	Pass
Aflatoxin G1	ND	0.004	0.016	0.02	Pass
Aflatoxin G2	ND	0.004	0.016	0.02	Pass
Ochratoxin A	ND	0.004	0.016	0.02	Pass

Manufacturer:	The Oil Plant, Inc.		
Manufacturer Address:	3416 Standish Ave. Suite #102 Santa Rosa, CA 95407		
Manufacturer License #:	CDPH-10002922		
Distributor:	Sonoma Pacific Distribution Inc		
Distributor Address:	3414 Standish Ave, Santa Rosa, CA 95407		
Distributor License #:	M11-18-0000125-TEMP		
Batch #	TOP-CBD-103		
Sample Code:	ST5676803		
Dates of Analysis:	4/13/19	-	4/18/19
Sample Name:	Aunt Zelda's - 3g CBD Extract		

Percent Moisture (%)		California Limit	
SOP: [SLW-MCWA] Moisture Analyzer			
Target Analyte	NT	NT	
Water Activity (A <sub>w</sub> )	NT	0.65Aw	NT
Foreign Material	ND	1/4 total sample area	Pass

Pesticide Screen Result - Category 1					California Limit - All products
SOP: [SLW-PA] Method: LCMSMS ES1/GCMSMS		Date Tested: 04/16/19			
Target Analyte	PPM	LOD (µg/g)	LOQ (µg/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	
Ethoprop(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 - Inhalable Cannabis
SOP: [SLW-PA] Method: LCMSMS ES1/GCMSMS		Date Tested: 04/16/19				
Target Analyte	PPM (µg/g)	LOD (µg/g)	LOQ (µg/g)	PPM (µg/g)	Pass/Fail	
Acephate	ND	0.02	0.08	0.1	Pass	
Acequinocyl	ND	0.02	0.08	0.1	Pass	
Acetamiprid	ND	0.02	0.08	0.1	Pass	
Avermectin B1a (Abamectin)	ND	0.02	0.08	0.1	Pass	
Avermectin B1b (Abamectin)	ND	0.10	0.20	0.1	Pass	
Azoxystrobin	ND	0.02	0.08	0.1	Pass	
Bifenazate	ND	0.02	0.08	0.1	Pass	
Bifenthrin	ND	0.02	0.08	3.0	Pass	
Boscalid	ND	0.02	0.08	0.1	Pass	
Captan	ND	0.12	0.20	0.7	Pass	
Carbaryl	ND	0.02	0.08	0.5	Pass	
Chlorantraniliprole	ND	0.02	0.08	10.0	Pass	
Clofentezine	ND	0.02	0.08	0.1	Pass	
Cyfluthrin	ND	0.05	0.10	2.0	Pass	
Cypermethrin	ND	0.05	0.10	1.0	Pass	
Diazinon	ND	0.02	0.08	0.1	Pass	
Dimethomorph	ND	0.02	0.08	2.0	Pass	
Etoxazole	ND	0.02	0.08	0.1	Pass	
Fenhexamid	ND	0.02	0.08	0.1	Pass	
Fenpyroximate	ND	0.02	0.08	0.1	Pass	
Flonicamid	ND	0.02	0.08	0.1	Pass	
Fludioxonil	ND	0.02	0.08	0.1	Pass	
Hexythiazox	ND	0.02	0.08	0.1	Pass	
Imidacloprid	ND	0.02	0.08	5.0	Pass	
Kresoxim-methyl	ND	0.02	0.08	0.1	Pass	
Malathion	ND	0.02	0.08	0.5	Pass	
Metalaxyl	ND	0.02	0.08	2.0	Pass	
Methomyl	ND	0.02	0.08	1.0	Pass	
Myclobutanil	ND	0.02	0.08	0.1	Pass	
Naled	ND	0.02	0.08	0.1	Pass	
Oxamyl	ND	0.02	0.08	0.5	Pass	
Pentachloronitrobenzene	ND	0.05	0.10	0.1	Pass	
Permethrin, Cis-	ND	0.02	0.08	0.5	Pass	
Permethrin, Trans-	ND	0.02	0.08	0.5	Pass	
Phosmet	ND	0.02	0.08	0.1	Pass	
Piperonyl butoxide	ND	0.02	0.08	3.0	Pass	
Prallethrin	ND	0.02	0.08	0.1	Pass	
Propiconazole	ND	0.02	0.08	0.1	Pass	
Pyrethrins	ND	0.02	0.08	0.5	Pass	
Pyridaben	ND	0.02	0.08	0.1	Pass	
Spinetoram	ND	0.02	0.08	0.1	Pass	
Spinosyn A (Spinosad)	ND	0.02	0.08	0.1	Pass	
Spinosyn D (Spinosad)	ND	0.08	0.16	0.1	Pass	
Spiromesifen	ND	0.02	0.08	0.1	Pass	
Spirotetramat	ND	0.02	0.08	0.1	Pass	
Tebuconazole	ND	0.02	0.08	0.1	Pass	
Thiamethoxam	ND	0.02	0.08	5.0	Pass	
Trifloxystrobin	ND	0.02	0.08	0.1	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