

License: C8-17-000012-TEMP

## Certificate of Analysis

<b>Distributor:</b>	<i>Sonoma Pacific Distribution</i>	<b>Manufacturer:</b>	<i>The Oil Plant</i>
<b>Distributor Address:</b>	<i>3414 Standish Ave, Santa Rosa, CA 95407</i>	<b>Manufacturer Address:</b>	<i>3416 Standish Ave, Suite #102 Santa Rosa, CA 95407</i>
<b>Distributor License #:</b>	<i>M11-18-0000125-TEMP</i>	<b>Manufacturer License #:</b>	<i>CDPH-T00000488</i>
<b>Date Collected:</b>	<i>11/5/2018</i>	<b>Batch #</b>	<i>AZD-CBE-0002</i>
<b>Date Received:</b>	<i>11/5/2018</i>	<b>Dates of Analysis:</b>	<i>11/6/2018 - 11/12/2018</i>

<b>Sample Code:</b>	<i>SJ4091002</i>
<b>Sample Type:</b>	<i>Inhalable Cannabis or Cannabis Product</i>
<b>Sample Name:</b>	<i>CBD Extract</i>
<b>Total Batch Unit Count:</b>	<i>247</i>
<b>Primary Sample Unit Count:</b>	<i>5</i>

Test Summary		
Total Calculated $\Delta 9$ -THC (%)*	5.62	PASS
Total Calculated CBD (%)*	59.72	PASS
Total Cannabinoids (%)	68.76	PASS
Residual Solvents (Detect/No Detect)	Detect	PASS
Microbial Result (Pass/Fail)	Pass	PASS
Pesticide Screen (Detect/No Detect)	ND	PASS
Total Terpenes (%)	NT	NT
Percent Moisture (%)	NT	NT
Water Activity ( $A_w$ )	NT	NT
Foreign Material (Present/Absent)	No Foreign Material	PASS

Affixed Label	
Total Calculated $\Delta 9$ -THC (%)*	N/A
Total Calculated CBD (%)*	N/A
Total Cannabinoids (%)	N/A

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

*David Chen*

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11/13/18

Date

# Certificate of Analysis

V8.0.4  
Revision: 10/14/18 DC

<b>Distributor:</b>	<i>Sonoma Pacific Distribution</i>
<b>Distributor Address:</b>	<i>3414 Standish Ave, Santa Rosa, CA 95407</i>
<b>Distributor License #:</b>	<i>M11-18-0000125-TEMP</i>
<b>Date Collected:</b>	<i>11/5/18</i>
<b>Sample Code:</b>	<i>SJ4091002</i>
<b>Sample Matrix:</b>	<i>Extract</i>

<b>Manufacturer:</b>	<i>The Oil Plant</i>
<b>Manufacturer Address:</b>	<i>3416 Standish Ave, Suite #102 Santa Rosa, CA 95407</i>
<b>Manufacturer License #:</b>	<i>CDPH-T00000488</i>
<b>Batch #</b>	<i>AZD-CBE-0002</i>
<b>Dates of Analysis:</b>	<i>11/6/18 - 11/12/18</i>
<b>Sample Name:</b>	<i>CBD Extract</i>

Potency Test Result		
SOP: [SLW-CC] Method: HPLC-DAD American Herbal Pharmacopoeia		
Target Analyte	% Test	mg/g
<b>CBDA</b>	<i>3.47</i>	<i>34.70</i>
<b>CBGA</b>	<i>ND</i>	<i>ND</i>
<b>CBG</b>	<i>ND</i>	<i>ND</i>
<b>CBD</b>	<i>56.68</i>	<i>566.80</i>
<b>THCV</b>	<i>ND</i>	<i>ND</i>
<b>CBN</b>	<i>ND</i>	<i>ND</i>
<b>THCA</b>	<i>0.78</i>	<i>7.79</i>
<b>Delta 9-THC (Δ9-THC)</b>	<i>4.94</i>	<i>49.37</i>
<b>Delta 8-THC (Δ8-THC)</b>	<i>ND</i>	<i>ND</i>
<b>CBC</b>	<i>2.89</i>	<i>28.94</i>

Percent Moisture (%)	NT	California Limit	
		13%	NT
SOP: [SLW-MCWA] Moisture			
<b>Water Activity (A<sub>w</sub>)</b>	NT	0.65A <sub>w</sub>	NT
SOP: [SLW-MCWA] Moisture			
<b>Foreign Material</b>	No Foreign Material	1/4 total sample area	PASS
SOP: [SLW-FM]			

Residual Solvent Screen - Category I					California Limit - All products
SOP: [SLW-RS] Method: GC/FID USP <467>					
Target Analyte	PPM	LOD (µg/g)	LOQ (µg/g)		Pass/Fail
<b>1,2-Dichloroethane</b>	ND	0.10	1.00		Pass
<b>Benzene</b>	ND	0.10	1.00		Pass
<b>Chloroform</b>	ND	0.10	1.00		Pass
<b>Ethylene oxide</b>	ND	0.10	1.00		Pass
<b>Methylene chloride</b>	ND	0.10	1.00		Pass
<b>Trichloroethylene</b>	ND	0.10	1.00		Pass

Pesticide Screen Result - Category 1					California Limit - All products
SOP: [SLW-PA] Method: LC/MSMS ESI+/APCI-Dilute & Shoot					
Target Analyte	PPM	LOD (µg/g)	LOQ (µg/g)		Pass/Fail
<b>Aldicarb</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Carbofuran</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Chlordane</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Chlorfenapyr</b>	ND	1.0 E-1	1.0 E-1		Pass
<b>Chlorpyrifos</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Coumaphos</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Daminozide</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Dichlorvos</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Dimethoate</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Ethoprop(hos)</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Etofenprox</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Fenoxycarb</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Fipronil</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Imazalil</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Methiocarb</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Methyl Parathion</b>	ND	2.0 E-3	1.0 E-1		Pass
<b>Mevinphos</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Paclbutrazol</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Propoxur</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Spiroxamine</b>	ND	1.0 E-3	5.0 E-2		Pass
<b>Thiacloprid</b>	ND	1.0 E-3	5.0 E-2		Pass

Residual Solvent Screen - Category 2						California Limit - Inhalable Cannabis
SOP: [SLW-RS] Method: GC/FID USP <467>						
Target Analyte	PPM	LOD (µg/g)	LOQ (µg/g)	PPM (µg/g)		Pass/Fail
<b>Acetone</b>	ND	1.00	10.00	3100		Pass
<b>Acetonitrile</b>	ND	1.00	1.00	6		Pass
<b>Butane</b>	ND	100	1000	5000		Pass
<b>Ethanol</b>	918	1.00	10.00	5000		Pass
<b>Ethyl acetate</b>	ND	1.00	10.00	5000		Pass
<b>Ethyl ether</b>	ND	1.00	10.00	5000		Pass
<b>Heptane</b>	ND	1.00	10.00	5000		Pass
<b>Hexane</b>	ND	1.00	10.00	70		Pass
<b>Isopropyl Alcohol</b>	ND	1.00	10.00	320		Pass
<b>Methanol</b>	ND	1.00	10.00	400		Pass
<b>Pentane</b>	ND	1.00	10.00	5000		Pass
<b>Propane</b>	ND	500	5000	5000		Pass
<b>Toluene</b>	ND	1.00	10.00	30		Pass
<b>Total Xylenes</b>	ND	1.00	10.00	10		Pass

Pesticide Screen Result - Category 2						California Limit - Inhalable Cannabis
SOP: [SLW-PA] Method: LC/MSMS ESI+/APCI-Dilute & Shoot						
Target Analyte	PPM (µg/g)	LOD (µg/g)	LOQ (µg/g)	PPM (µg/g)		Pass/Fail
<b>Acephate</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Acequinocyl</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Acetamiprid</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Avermectin B1a (Abamectin)</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Avermectin B1b (Abamectin)</b>	ND	1.0 E-3	5.0 E-1	0.1		Pass
<b>Azoxystrobin</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Bifenazate</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Bifenthrin</b>	ND	1.0 E-3	5.0 E-2	3.0		Pass
<b>Boscalid</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Captan</b>	ND	2.5 E-1	7.0 E-1	0.7		Pass
<b>Carbaryl</b>	ND	1.0 E-3	5.0 E-2	0.5		Pass
<b>Chlorantraniliprole</b>	ND	1.0 E-3	5.0 E-2	10.0		Pass
<b>Clofentezine</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Cyfluthrin</b>	ND	2.0 E-3	1.0 E-1	2.0		Pass
<b>Cypermethrin</b>	ND	1.0 E-3	5.0 E-2	1.0		Pass
<b>Diazinon</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Dimethomorph</b>	ND	1.0 E-3	5.0 E-2	2.0		Pass
<b>Etoxazole</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Hexenamid</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Fenpyroximate</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Flonicamid</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Fludioxonil</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Hexythiazox</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Imidacloprid</b>	ND	1.0 E-3	5.0 E-2	5.0		Pass
<b>Kresoxim-methyl</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Malathion</b>	ND	1.0 E-3	5.0 E-2	0.5		Pass
<b>Metalaxyl</b>	ND	1.0 E-3	5.0 E-2	2.0		Pass
<b>Methomyl</b>	ND	1.0 E-3	5.0 E-2	1.0		Pass
<b>Myclobutanil</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Naled</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Oxamyl</b>	ND	1.0 E-3	5.0 E-2	0.5		Pass
<b>Pentachloronitrobenzene</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Permethrin, Cis-</b>	ND	1.0 E-3	5.0 E-2	0.5		Pass
<b>Permethrin, Trans-</b>	ND	1.0 E-3	5.0 E-2	0.5		Pass
<b>Phosmet</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Piperonyl butoxide</b>	ND	1.0 E-3	5.0 E-2	3.0		Pass
<b>Prallethrin</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Propiconazole</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Pyrethrins</b>	ND	1.0 E-3	5.0 E-2	0.5		Pass
<b>Pyridaben</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Spinetoram</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Spinosyn A (Spinosad)</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Spinosyn D (Spinosad)</b>	ND	1.0 E-2	5.0 E-1	0.1		Pass
<b>Spiromesifen</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Spirotetramat</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Tebuconazole</b>	ND	1.0 E-3	5.0 E-2	0.1		Pass
<b>Thiamethoxam</b>	ND	1.0 E-3	5.0 E-2	5.0		Pass
<b>Trifloxystrobin</b>	<LOQ	1.0 E-3	5.0 E-2	0.1		Pass

Microbial Screen				California Limit
SOP: [SLW-MB] qPCR PathoSEEK™				
Microbiological Assay		Threshold		Pass/Fail
<b>Salmonella</b>	ND	Detect/1 gram		Pass
<b>Escherichia coli (STEC)</b>	ND	Detect/1 gram		Pass
<b>Aspergillus niger</b>	ND	Detect/1 gram		Pass
<b>Aspergillus fumigatus</b>	ND	Detect/1 gram		Pass
<b>Aspergillus flavus</b>	ND	Detect/1 gram		Pass
<b>Aspergillus terreus</b>	ND	Detect/1 gram		Pass
<b>Total Yeast and Mold*</b>	NT	10000 CFU/g		NT
<b>Total Aerobic Bacteria*</b>	NT	100000 CFU/g		NT
<b>Total Enterobacteriaceae*</b>	NT	1000 CFU/g		NT
<b>Total Coliform Bacteria*</b>	NT	1000 CFU/g		NT
<b>Escherichia coli (Non-SLEC)*</b>	NT	Detect/1 gram		NT

Terpene Test Result		
SOP: [SLW-TA] GC/FID		
Target Analyte	% Test	mg/g
<b>alpha-Bisabolol</b>	NT	NT
<b>Camphene</b>	NT	NT
<b>delta-3-Carene</b>	NT	NT
<b>beta-Caryophyllene</b>	NT	NT
<b>Caryophyllene Oxide</b>	NT	NT
<b>p-Cymene</b>	NT	NT
<b>Geraniol</b>	NT	NT
<b>Guaiol</b>	NT	NT
<b>alpha-Humulene</b>	NT	NT
<b>Isopulegol</b>	NT	NT
<b>delta-Limonene</b>	NT	NT
<b>Linalool</b>	NT	NT
<b>beta-Myrcene</b>	NT	NT
<b>Nerolidol 1</b>	NT	NT
<b>Nerolidol 2</b>	NT	NT
<b>beta-Ocimene</b>	NT	NT
<b>alpha-Ocimene</b>	NT	NT
<b>alpha-Pinene</b>	NT	NT
<b>beta-Pinene</b>		