

# Report of Analysis

V7.9.6  
Revision: 3/22/19 DC

Sonoma Lab Works (707) 757-7757  
1201 Corporate Center Parkway Santa Rosa CA 95407  
Lich: C8-17-000012-TEMP

Potency Test Result			Potency Summary	
SOP: (SLW-GC) Method: HPLC-DAD American Herbal Pharmacopoeia				
Target Analyte	% Test	mg/g		
CBDA	NT	NT	Total Calculated Δ9-THC (%) <sup>a</sup>	N/A
CBGA	NT	NT		
CBG	NT	NT	Total Calculated CBD	N/A
CBD	NT	NT		
THCV	NT	NT	Total Cannabinoids (%)	N/A
CBN	NT	NT		
THCA	NT	NT		
Delta 9-THC (Δ9-THC)	NT	NT		
Delta 8-THC (Δ8-THC)	NT	NT		
CBC	NT	NT		

<sup>a</sup>All cannabinoid results calculated in accordance with § 5724, of CA Code of Regulations Title 16

Residual Solvent Test Results - Category 1			
SOP: (SLW-GC)			
Target Analyte	PPM	California Limit - All products	Pass/Fail
1,2-Dichloroethane	NT	1.00	NT
Benzene	NT	1.00	NT
Chloroform	NT	1.00	NT
Ethylene oxide	NT	1.00	NT
Methylene chloride	NT	1.00	NT
Trichloroethylene	NT	1.00	NT

Residual Solvent Test Results - Category 2			
SOP: (SLW-GC)			
Target Analyte	PPM	California Limit - Cannabis Product or Pre-Roll	Pass/Fail
Acetone	NT	5000	NT
Acetonitrile	NT	410	NT
Butane	NT	5000	NT
Ethanol	NT	5000	NT
Ethyl acetate	NT	5000	NT
Ethyl ether	NT	5000	NT
Heptane	NT	5000	NT
Hexane	NT	250	NT
Isopropyl Alcohol	NT	5000	NT
Methanol	NT	3000	NT
Pentane	NT	5000	NT
Propane	NT	5000	NT
Toluene	NT	850	NT
Total Xylenes	NT	2170	NT

Microbial Screen			
SOP: (SLW-MS) qPCR FalsSECTM			
Target Analyte	PPM	California Limit	Pass/Fail
Microbiological Assay			
		Threshold	Pass/Fail
Salmonella	NT	Detected/1 gram	NT
Escherichia coli (STEC)	NT	Detected/1 gram	NT
Aspergillus niger	NT	Detected/1 gram	NT
Aspergillus fumigatus	NT	Detected/1 gram	NT
Aspergillus flavus	NT	Detected/1 gram	NT
Aspergillus terreus	NT	Detected/1 gram	NT
Total Yeast and Mold <sup>a</sup>	NT	10000 CFU/g	NT
Total Aerobic Bacteria <sup>a</sup>	NT	100000 CFU/g	NT
Total Enterobacteriaceae <sup>a</sup>	NT	1000 CFU/g	NT
Total Coliform Bacteria <sup>a</sup>	NT	1000 CFU/g	NT
Escherichia coli (Non-STEC)	NT	Detected/1 gram	NT

Heavy Metals Screen					
SOP: (SLW-DMA) Method: ICP-MS					
Target Analyte	PPM	California Limit			
		Inhaled Product		Non-Inhaled Product	
		PPM	Pass/Fail	PPM	Pass/Fail
Cadmium	NT	0.2	NT	0.5	NT
Lead	NT	0.5	NT	0.5	NT
Arsenic	NT	0.2	NT	1.5	NT
Mercury	NT	0.1	NT	3.0	NT

Terpene Test Result			Terpene Summary	
SOP: (SLW-TA) GC/MS				
Target Analyte	% Test	mg/g		
alpha-Bisabolol	ND	ND	Total Terpenes (%)	0.02
Camphene	ND	ND		
delta-3-Carene	ND	ND		
beta-Caryophyllene	ND	ND		
Caryophyllene Oxide	ND	ND		
p-Cymene	ND	ND		
Geraniol	ND	ND		
Guaiol	ND	ND		
alpha-Humulene	ND	ND		
Isopulegol	ND	ND		
delta-Limonene	ND	ND		
Linalool	ND	ND		
beta-Myrcene	0.018	0.179		
Nerolidol 1	ND	ND		
Nerolidol 2	ND	ND		
beta-Ocimene	ND	ND		
alpha-Ocimene	ND	ND		
alpha-Pinene	ND	ND		
beta-Pinene	ND	ND		
alpha-Terpinene	ND	ND		
Gamma-Terpinene	ND	ND		
Terpinolene	ND	ND		

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

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<b>Manufacturer:</b>	The Oil Plant		
<b>Manufacturer Address:</b>	3416 Standish Ave, Suite #102 Santa Rosa, CA 95407		
<b>Manufacturer License #:</b>	CDPH-T00000488		
<b>Report #:</b>	4222		
<b>Sample Code:</b>	422201RA		
<b>Dates of Analysis:</b>	4/15/19	-	4/18/19
<b>Sample Matrix:</b>	Infusion		
<b>Sample Name:</b>	TOP-CBD-1127		

Percent Moisture (%)	NT	California Limit	
		PPM	Pass/Fail
BOP: (SLW-MCWA) Moisture		NT	
Water Activity (A <sub>w</sub> )	NT	0.65A <sub>w</sub>	NT
BOP: (SLW-MCWA) Moisture			

Pesticide Screen Result - Category 1				
SOP: (SLW-PS)				
Target Analyte	PPM	LOD	LOQ	Pass/Fail
Aldicarb	NT	0.05	0.10	NT
Carbofuran	NT	0.05	0.10	NT
Chlordane	NT	0.05	0.10	NT
Chlorfenapyr	NT	0.05	0.10	NT
Chlorpyrifos	NT	0.05	0.10	NT
Coumaphos	NT	0.05	0.10	NT
Daminozide	NT	0.05	0.10	NT
Dichlorvos	NT	0.05	0.10	NT
Dimethoate	NT	0.05	0.10	NT
Ethoprop(hos)	NT	0.05	0.10	NT
Etofenprox	NT	0.05	0.10	NT
Fenoxycarb	NT	0.05	0.10	NT
Epproth	NT	0.05	0.10	NT
Imazalil	NT	0.05	0.10	NT
Methidathion	NT	0.05	0.10	NT
Methyl Parathion	NT	0.05	0.10	NT
Mevinphos	NT	0.05	0.10	NT
Paclobutrazol	NT	0.05	0.10	NT
Propoxur	NT	0.05	0.10	NT
Spiroxamine	NT	0.05	0.10	NT
Thiacloprid	NT	0.05	0.10	NT

Pesticide Screen Category 2					
SOP: (SLW-PS)					
Target Analyte	PPM	California Limit			
		Inhaled Product		Non-Inhaled Product	
		PPM	Pass/Fail	PPM	Pass/Fail
Acephate	NT	0.10	NT	5.0	NT
Acequinolyl	NT	0.10	NT	5.0	NT
Acetamiprid	NT	0.10	NT	5.0	NT
Avermectin B1a (Abamectin)	NT	0.10	NT	0.5	NT
Avermectin B1b (Abamectin)	NT	0.10	NT	0.5	NT
Azoxystrobin	NT	0.10	NT	40.0	NT
Bifenazate	NT	0.10	NT	5.0	NT
Bifenthrin	NT	3.00	NT	0.5	NT
Boscalid	NT	0.10	NT	10.0	NT
Captan	NT	0.70	NT	5.0	NT
Carbaryl	NT	0.50	NT	0.5	NT
Chlorantraniliprole	NT	10.00	NT	30.0	NT
Clofentezine	NT	0.10	NT	0.5	NT
Cyfluthrin	NT	2.00	NT	1.0	NT
Cypermethrin	NT	1.00	NT	1.0	NT
Diazinon	NT	0.10	NT	0.2	NT
Dimethomorph	NT	2.00	NT	2.0	NT
Etoxazole	NT	0.10	NT	1.5	NT
Fenhexamid	NT	0.10	NT	10.0	NT
Fenpyroximate	NT	0.10	NT	2.0	NT
Flonicamid	NT	0.10	NT	2.0	NT
Flufoxonil	NT	0.10	NT	30.0	NT
Hexythiazox	NT	0.10	NT	2.0	NT
Imidacloprid	NT	3.00	NT	3.0	NT
Kresoxim-methyl	NT	0.10	NT	1.0	NT
Malathion	NT	0.50	NT	5.0	NT
Metaxothyl	NT	2.00	NT	15.0	NT
Methomyl	NT	1.00	NT	0.1	NT
Myclobutanil	NT	0.10	NT	9.0	NT
Naled	NT	0.10	NT	0.5	NT
Oxamyl	NT	0.50	NT	0.2	NT
Pentachloronitrobenzene	NT	0.10	NT	0.2	NT
Permethrin, Cis-	NT	0.50	NT	20.0	NT
Permethrin, Trans-	NT	0.50	NT	20.0	NT
Phosmet	NT	0.10	NT	0.2	NT
Piperonyl butoxide	NT	3.00	NT	8.0	NT
Prallethrin	NT	0.10	NT	0.2	NT
Propiconazole	NT	0.10	NT	20.0	NT
Pyrethrins	NT	0.50	NT	1.0	NT
Pyridaben	NT	0.10	NT	3.0	NT
Spinetoram	NT	0.10	NT	3.0	NT
Spinosyn A (Spinosad)	NT	0.10	NT	3.0	NT
Spinosyn D (Spinosad)	NT	0.10	NT	3.0	NT
Spiromesifen	NT	0.10	NT	12.0	NT
Spirotetramat	NT	0.10	NT	13.0	NT
Tebuconazole	NT	0.10	NT	2.0	NT
Thiamethoxam	NT	3.00	NT	4.5	NT
Trifloxystrobin	NT	0.10	NT	30.0	NT

Mycotoxin Screen					
SOP: (SLW-MY) Method: LCMSMS (SI) - Orlan & Shaw					
Target Analyte	PPM	California Limit			
		Inhaled Product		Non-Inhaled Product	
		PPM	Pass/Fail	PPM	Pass/Fail
Aflatoxin Total	NT	0.02	NT	0.02	NT
Ochratoxin A	NT	0.02	NT	0.02	NT

Analyst: JS

Date: 4/18/19