

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-CC] Method: HPLC-DAD American Herbal Pharmacopoeia				
Target Analyte	% Test	mg/g		
CBD	0.52	5.22	Total Calculated Δ9-THC (%)*	3.09
CBGA	ND	ND		
CBG	1.12	11.21	Total Calculated CBD	69.02
CBD	69.17	691.67		
THCV	ND	ND	Total Cannabinoids (%)	78.53
CBN	ND	ND		
THCA	ND	ND		
Delta 9-THC (Δ9-THC)	3.09	30.88		
Delta 8-THC (Δ8-THC)	ND	ND		
CBC	4.64	46.36		

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

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

Residual Solvent Test Results - Category 2			
SOP: [SLW-MS]		California Limit	
Cannabis Product or Pre-Roll			
Target Analyte	PPM	PPM	Pass/Fail
Acetone	ND	5000	Pass
Acetonitrile	ND	410	Pass
Butane	ND	5000	Pass
Ethanol	2733	5000	Pass
Ethyl acetate	167	5000	Pass
Ethyl ether	ND	5000	Pass
Heptane	ND	5000	Pass
Hexane	ND	290	Pass
Isopropyl Alcohol	ND	5000	Pass
Methanol	ND	3000	Pass
Pentane	ND	5000	Pass
Propane	ND	5000	Pass
Toluene	ND	890	Pass
Total Xylenes	ND	2170	Pass

Microbial Screen			
SOP: [SLW-MS] qPCR PathoSEER™		California Limit	
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
Total Yeast and Mold*	NT	10000 CFU/g	NT
Total Aerobic Bacteria*	NT	1000000 CFU/g	NT
Total Enterobacteriaceae*	NT	1000 CFU/g	NT
Total Coliform Bacteria*	NT	1000 CFU/g	NT
Escherichia coli (Non-STEC)	NT	Detect/1 gram	NT

Heavy Metals Screen					
SOP: [SLW-HMA] Method: ICPMS		California Limit			
		Inhaled Product		Non-Inhaled Product	
Target Analyte	PPM	PPM	Pass/Fail	PPM	Pass/Fail
Cadmium	ND	0.2	Pass	0.5	Pass
Lead	ND	0.5	Pass	0.5	Pass
Arsenic	ND	0.2	Pass	1.5	Pass
Mercury	ND	0.1	Pass	3.0	Pass

Terpene Test Result			Terpene Summary	
SOP: [SLW-TA] GC/FID				
Target Analyte	% Test	mg/g		
alpha-Bisabolol	ND	ND	Total Terpenes (%)	0.52
Camphene	ND	ND		
delta-3-Carene	ND	ND		
beta-Caryophyllene	0.111	1.108		
Caryophyllene Oxide	ND	ND		
p-Cymene	ND	ND		
Geraniol	ND	ND		
Guaiol	ND	ND		
alpha-Humulene	0.032	0.315		
Isopulegol	ND	ND		
delta-Limonene	0.079	0.785		
Linalool	0.086	0.858		
beta-Myrcene	0.211	2.112		
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		

Client:	The Oil Plant, Inc.		
Client Address:	3416 Standish Ave, Suite #102 Santa Rosa, CA 95407		
Client License #:	CDPH-T00000488		
Report #:	4139		
Sample Code:	413901		
Dates of Analysis:	3/28/19	-	4/3/19
Sample Matrix:	Extract		
Sample Name:	TOP-CBD-1103 G/jf (B3)		

Percent Moisture (%)			
SOP: [SLW-MCWA] Moisture		California Limit	
Water Activity (A _w)	NT	0.65A _w	NT
SOP: [SLW-MCWA] Moisture			

Pesticide Screen Result - Category 1				
SOP: [SLW-PX]		California Limit - Detect/No Detect		
All products				
Target Analyte	PPM	LOD	LOQ	Pass/Fail
Aldicarb	ND	0.05	0.10	Pass
Carbofuran	ND	0.05	0.10	Pass
Chlordane	ND	0.05	0.10	Pass
Chlorfenapyr	ND	0.05	0.10	Pass
Chlorpyrifos	ND	0.05	0.10	Pass
Coumaphos	ND	0.05	0.10	Pass
Daminozide	ND	0.05	0.10	Pass
Dichlorvos	ND	0.05	0.10	Pass
Dimethoate	ND	0.05	0.10	Pass
Ethoprop(hos)	ND	0.05	0.10	Pass
Etofenprox	ND	0.05	0.10	Pass
Fenoxycarb	ND	0.05	0.10	Pass
Fipronil	ND	0.05	0.10	Pass
Imazalil	ND	0.05	0.10	Pass
Methiocarb	ND	0.05	0.10	Pass
Methyl Parathion	ND	0.05	0.10	Pass
Mevinphos	ND	0.05	0.10	Pass
Paclobutrazol	ND	0.05	0.10	Pass
Propoxur	ND	0.05	0.10	Pass
Spiroxamine	ND	0.05	0.10	Pass
Thiacloprid	ND	0.05	0.10	Pass

Pesticide Screen Category 2					
SOP: [SLW-PX]		California Limit			
		Inhaled Product		Non-Inhaled Product	
Target Analyte	PPM	PPM	Pass/Fail	PPM	Pass/Fail
Acephate	ND	0.10	Pass	5.0	Pass
Acetaminophen	ND	0.10	Pass	4.0	Pass
Acetamiprid	ND	0.10	Pass	5.0	Pass
Avermectin B1a (Abamectin)	ND	0.10	Pass	0.3	Pass
Avermectin B1b (Abamectin)	ND	0.10	Pass	0.3	Pass
Azoxystrobin	ND	0.10	Pass	40.0	Pass
Bifenazate	ND	0.10	Pass	5.0	Pass
Bifenthrin	ND	3.00	Pass	0.5	Pass
Boscalid	ND	0.10	Pass	10.0	Pass
Captan	ND	0.70	Pass	5.0	Pass
Carbaryl	ND	0.50	Pass	0.5	Pass
Chlorantraniliprole	ND	10.00	Pass	40.0	Pass
Clofentezine	ND	0.10	Pass	0.5	Pass
Cyfluthrin	ND	2.00	Pass	1.0	Pass
Cypermethrin	ND	1.00	Pass	1.0	Pass
Diazinon	ND	0.10	Pass	0.2	Pass
Dimethomorph	ND	2.00	Pass	20.0	Pass
Etoxazole	ND	0.10	Pass	1.5	Pass
Fenhexamid	ND	0.10	Pass	10.0	Pass
Fenpyroximate	ND	0.10	Pass	2.0	Pass
Flonicamid	ND	0.10	Pass	2.0	Pass
Fludioxonil	ND	0.10	Pass	30.0	Pass
Hexythiazox	ND	0.10	Pass	2.0	Pass
Imidacloprid	ND	5.00	Pass	3.0	Pass
Kresoxim-methyl	ND	0.10	Pass	1.0	Pass
Malathion	ND	0.50	Pass	5.0	Pass
Metalaxyl	ND	2.00	Pass	15.0	Pass
Methomyl	ND	1.00	Pass	0.1	Pass
Myclobutanil	ND	0.10	Pass	9.0	Pass
Naled	ND	0.10	Pass	0.5	Pass
Oxamyl	ND	0.50	Pass	0.2	Pass
Pentachloronitrobenzene	ND	0.10	Pass	0.2	Pass
Permethrin, Cis-	ND	0.50	Pass	20.0	Pass
Permethrin, Trans-	ND	0.50	Pass	20.0	Pass
Phosmet	ND	0.10	Pass	0.2	Pass
Piperonyl butoxide	ND	3.00	Pass	8.0	Pass
Prallethrin	ND	0.10	Pass	0.4	Pass
Propiconazole	ND	0.10	Pass	20.0	Pass
Pyrethrin	ND	0.50	Pass	1.0	Pass
Pyridaben	ND	0.10	Pass	3.0	Pass
Spinetoram	ND	0.10	Pass	3.0	Pass
Spinosyn A (Spinosad)	ND	0.10	Pass	3.0	Pass
Spinosyn D (Spinosad)	ND	0.10	Pass	3.0	Pass
Spiromesifen	ND	0.10	Pass	12.0	Pass
Spirotetramat	ND	0.10	Pass	13.0	Pass
Tebuconazole	ND	0.10	Pass	2.0	Pass
Thiamethoxam	ND	3.00	Pass	4.5	Pass
Trifloxystrobin	ND	0.10	Pass	30.0	Pass

Mycotoxin Screen					
SOP: [SLW-MA] Method: LC/MS/MS ESI+ Dilute & Shoot		California Limit			
		Inhaled Product		Non-Inhaled Product	
Target Analyte	PPM	PPM	Pass/Fail	PPM	Pass/Fail
Aflatoxin Total	ND	0.02	Pass	0.02	Pass
Ochratoxin A	ND	0.02	Pass	0.02	Pass

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

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Analyst: JS

Date: 4/3/19