

Report of Analysis

V7.9.1
Revision: 12/24/18 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		
CBDA	ND	ND	Total Calculated A9-THC (%)*	73.62
CBGA	ND	ND		
CBG	2.38	23.82	Total Calculated CBD	2.10
CBD	2.10	20.98		
THCV	0.53	5.30	Total Cannabinoids (%)	79.87
CBN	1.25	12.46		
THCA	ND	ND		
Delta 9-THC (Δ9-THC)	73.62	736.19		
Delta 8-THC (Δ8-THC)	ND	ND		
CBC	ND	ND		

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

Residual Solvent Test Results - Category 1			
SOP: [SLW-BS]		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-BS]		California Limit		
Target Analyte	PPM	Inhaled Product		Non-Inhaled Product
		PPM	Pass/Fail	PPM
Acetone	21	3100	Pass	5000
Acetonitrile	ND	6	Pass	410
Butane	ND	5000	Pass	5000
Ethanol	1865	5000	Pass	5000
Ethyl acetate	ND	5000	Pass	5000
Ethyl ether	ND	5000	Pass	5000
Heptane	ND	5000	Pass	5000
Hexane	ND	70	Pass	290
Isopropyl Alcohol	<LOQ	320	Fail	5000
Methanol	12	400	Pass	3000
Pentane	ND	5000	Pass	5000
Propane	ND	5000	Pass	5000
Toluene	<LOQ	30	Fail	890
Total Xylenes	ND	10	Pass	2170

Microbial Screen			
SOP: [SLW-MS] qPCR PathoSEEK™		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	100000 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-MS] ICP-MS		California Limit		
Target Analyte	PPM	Inhaled Product		Non-Inhaled Product
		PPM	Pass/Fail	PPM
Cadmium	NT	0.2	NT	0.5
Lead	NT	0.5	NT	0.5
Arsenic	NT	0.2	NT	1.5
Mercury	NT	0.1	NT	3.0

Terpene Test Result			Terpene Summary	
SOP: [SLW-TA] GC/MS				
Target Analyte	% Test	mg/g		
alpha-Bisabolol	ND	ND	Total Terpenes (%)	0.41
Camphene	ND	ND		
delta-3-Carene	ND	ND		
beta-Caryophyllene	0.120	1.202		
Caryophyllene Oxide	ND	ND		
p-Cymene	ND	ND		
Geraniol	ND	ND		
Guaiol	ND	ND		
alpha-Humulene	0.017	0.170		
Isopulegol	ND	ND		
delta-Limonene	0.086	0.861		
Linalool	0.035	0.347		
beta-Myrcene	0.140	1.400		
Nerolidol 1	ND	ND		
Nerolidol 2	ND	ND		
beta-Ocimene	ND	ND		
alpha-Ocimene	0.012	0.123		
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

The results contained in this report are applicable only to the samples submitted and/or analyzed via the chain of custody. This report is generated by Sonoma Lab Works, Inc. and contains confidential and/or legally privileged information from Sonoma Lab Works, Inc. If you are not the client listed in this report, or the client this report is issued to, you are hereby notified that any disclosure, copying, electronic dissemination, electronic archiving, or distribution of this information or the taking of any action in reliance on the contents of this report is strictly prohibited. Sonoma Lab Works, Inc. cannot determine putative resulting hazards associated with materials submitted for analysis, and reserves the right to dispose. Sonoma Lab Works, Inc. cannot assume responsibility for the effect or impact of field sampling methodologies and techniques as they can affect sample analyses. The client listed in this report is singularly responsible for all use, interpretation, and reliance of results contained within this report.

Sonoma Lab Works LLC www.sonomalabworks.com 1201 Corporate Center Parkway Santa Rosa CA 95407

Client:	The Oil Plant
Client Address:	3416 Standish Ave. Suite #102 Santa Rosa, CA 95407
Client License #:	CDPH-T00000488
Report #:	3747
Sample Code:	374701
Dates of Analysis:	12/14/18 - 12/21/18
Sample Name:	TOP-THC-0946 GDP/PK (B4)

California Limit			
Percent Moisture (%)	NT	13%	NT
Water Activity (A _w)	NT	0.65A _w	NT
Total Organic Matter (%)	NT	1/4 total sample area	NT

Pesticide Screen Result - Category 1			
SOP: [SLW-PA]		California Limit - All products	
Target Analyte	PPM	PPM	Pass/Fail
Aldicarb	ND	0.10	Pass
Carbofuran	ND	0.10	Pass
Chlordane	ND	0.10	Pass
Chlorfenapyr	ND	0.10	Pass
Chlorpyrifos	ND	0.10	Pass
Coumaphos	ND	0.10	Pass
Daminozide	ND	0.10	Pass
Dichlorvos	ND	0.10	Pass
Dimethoate	ND	0.10	Pass
Ethoprop(hos)	ND	0.10	Pass
Etofenprox	ND	0.10	Pass
Fenoxycarb	ND	0.10	Pass
Flupronil	ND	0.10	Pass
Imazalil	ND	0.10	Pass
Methiocarb	ND	0.10	Pass
Methyl Parathion	ND	0.10	Pass
Mevinphos	ND	0.10	Pass
Paclbutrazol	ND	0.10	Pass
Propoxur	ND	0.10	Pass
Spiroxamine	ND	0.10	Pass
Thiacloprid	ND	0.10	Pass

Pesticide Screen Category 2					
SOP: [SLW-PA]		California Limit			
Target Analyte	PPM	Inhaled Product		Non-Inhaled Product	
		PPM	Pass/Fail	PPM	Pass/Fail
Acephate	ND	0.10	Pass	5.0	Pass
Acequinocyl	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
Fenproxiimate	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	3.0	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	<LOQ	3.00	Pass	8.0	Pass
Prallethrin	ND	0.10	Pass	0.4	Pass
Propiconazole	ND	0.10	Pass	20.0	Pass
Pyrethrins	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)	<LOQ	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	5.00	Pass	4.5	Pass
Trifloxystrobin	ND	0.10	Pass	30.0	Pass

Mycotoxin Screen					
SOP: [SLW-MY] Method: LUMISS ES1-Dioxin & Stox		California Limit			
Target Analyte	PPM	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: AS Date: 12/21/18 Supervisor: AC Date: 12/21/18