

Report of Analysis

V7.8.3
Revision: 7/31/18 DC

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

Distributor:	N/A
Distributor Address:	N/A
Distributor License #:	N/A
Sample Name:	#0915 Billy CBD (B2) Extract
Sample Matrix:	Extract
Sample Code:	364601RA

Manufacturer:	The Oil Plant
Manufacturer Address:	3416 Standish Ave. Suite #102 Santa Rosa, CA 95407
Manufacturer License #:	CDPH-T00000488
Report Number:	3646
Dates of Analysis:	11/10/2018 - 11/15/2018
Date Received:	11/9/2018

Potency Test Result (SLW-CC)			Potency Summary	
Target Analyte	% Test	mg/g		
CBDA	ND	ND	Total Calculated Δ9-THC (%)	4.67
CBGA	ND	ND		
CBG	1.74	17.38	Total Calculated CBD (%)	54.99
CBD	54.99	549.95		
THCV	ND	ND	Total Cannabinoids (%)	61.49
CBN	ND	ND		
THCA	0.72	7.18		
Delta 9-THC (Δ9-THC)	4.04	40.40		
Delta 8-THC (Δ8-THC)	ND	ND		
CBC	ND	ND		

		California Limit	
Percent Moisture (%) (SLW-MCWA)	NT	13%	NT
Water Activity (Aw) (SLW-MCWA)	NT	0.65Aw	NT
Foreign Material (SLW-FM)	NT	1/4 total sample area	NT

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

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

Residual Solvent Test Results - Category 2 (SLW-RS)		California Limit			
Target Analyte	PPM	Inhaled Product		Non-Inhaled Product	
		PPM	Pass/Fail	PPM	Pass/Fail
Acetone	ND	3100	Pass	5000	Pass
Acetonitrile	ND	6	Pass	410	Pass
Butane	ND	5000	Pass	5000	Pass
Ethanol	1605	5000	Pass	5000	Pass
Ethyl acetate	ND	5000	Pass	5000	Pass
Ethyl ether	ND	5000	Pass	5000	Pass
Heptane	ND	5000	Pass	5000	Pass
Hexane	ND	70	Pass	290	Pass
Isopropyl Alcohol	ND	320	Pass	5000	Pass
Methanol	ND	400	Pass	3000	Pass
Pentane	ND	5000	Pass	5000	Pass
Propane	ND	5000	Pass	5000	Pass
Toluene	ND	30	Pass	890	Pass
Total Xylenes	ND	10	Pass	2170	Pass

Pesticide Screen Category 2 (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
Chlorantranilprole	ND	10.00	Pass	40.0	Pass
Clofentazine	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
Etoazole	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
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)	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	5.00	Pass	4.5	Pass
Trioxystrobin	0.01	0.10	Pass	30.0	Pass

Microbial Test Results (SLW-MB)		California Limit	
Microbiological Assay		Threshold	Pass/Fail
Salmonella	No Detect	Detect/No Detect	Pass
Escherichia coli(STEC)	No Detect	Detect/No Detect	Pass
Aspergillus niger	No Detect	Detect/No Detect	Pass
Aspergillus fumigatus	No Detect	Detect/No Detect	Pass
Aspergillus flavus	No Detect	Detect/No Detect	Pass
Aspergillus terreus	No Detect	Detect/No Detect	Pass
Escherichia coli(Non STEC)*	NT	Detect/No Detect	NT
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

Terpene Test Result (SLW-TA)			Terpene Summary	
Target Analyte	% Test	mg/g		
alpha-Bisabolol	ND	ND	Total Terpenes (%)	1.36
Camphene	ND	ND		
delta-3-Carene	ND	ND	Total Terpenes (mg)	NT
beta-Caryophyllene	0.406	4.060		
Caryophyllene Oxide	0.030	0.301		
p-Cymene	ND	ND		
Geraniol	ND	ND		
Guaial	ND	ND		
alpha-Humulene	ND	ND		
Isopulegol	0.029	0.288		
delta-Limonene	0.124	1.239		
Linalool	0.143	1.430		
beta-Myrcene	0.320	3.204		
Nerolidol 1	0.106	1.062		
Nerolidol 2	ND	ND		
beta-Ocimene	0.023	0.225		
alpha-Ocimene	0.095	0.950		
alpha-Pinene	0.025	0.254		
beta-Pinene	0.029	0.286		
alpha-Terpinene	0.018	0.181		
Gamma-Terpinene	ND	ND		
Terpinolene	0.013	0.134		

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Analyst: Luke Khoury

Date: 11/15/18

Supervisor Initials: AC

Date: 11/15/18