Report of Analysis

V7.7
Revision: 3/21/18 DC

SONOMA LABWORKS

Customer:	*Aunt Zelda's Inc.*
Report Number:	*3130*
Analyzed Date:	*3/29/2018*
Report Date:	*3/29/2018*
Received Date:	*3/26/2018*

Sample Type:	*Infusion*
Sample Code:	*313001*
Sample I.D.:	*#0533 ACDC (B12) Ext IO*
Issue Date:	*3/29/2018*
Product Type:	*Other Cannabis & Cannabis Product*

Test Summary

Total Δ9–THC (mg) per ml	1.380
Total CBD (mg) per ml	47.117
Total Cannabinoids (mg) per ml	52.185
Total Terpenes (%)	0.083
Total Detected Solvents (ppm)	N/A
Microbial Result (Pass/Fail)	Pass
Pesticide Screen (Presence/Absence)	Pass

*Total Calculated THC and CBD amounts are derived using the total potential amount of THC/CBD that can be decarboxylated from its acidic form (THCA/CBDA)

Potency Test Result
[SOP004]

Target Analyte	% Test	mg/ml	MDL PPM
THCA	0.031	0.319	5.000
Delta9-THC (Δ9–THC)	0.134	1.380	5.000
Delta8-THC (Δ8–THC)	0.002	0.016	5.000
THCV	ND	ND	5.000
CBD	4.561	47.117	5.000
CBDA	0.118	1.222	5.000
CBG	0.092	0.948	5.000
CBGA	0.006	0.066	5.000
CBN	ND	ND	5.000
CBC	0.108	1.118	5.000

Terpene Test Result
[SOP005]

Target Analyte	% Test	mg/ml	LOQ PPM
alpha-Bisabolol	ND	ND	0.010
Camphene	ND	ND	0.010
delta-3-Carene	ND	ND	0.010
beta-Caryophyllene	ND	ND	0.010
Caryophyllene Oxide	ND	ND	0.010
p-Cymene	ND	ND	0.010
Eucalyptol	ND	ND	0.010
Guaiol	ND	ND	0.010
alpha-Humulene	0.024	0.244	0.010
Isopulegol	ND	ND	0.010
delta-Limonene	0.018	0.181	0.010
Linalool	ND	ND	0.010
beta-Myrcene	0.023	0.226	0.010
Nerolidol 1	ND	ND	0.010
Nerolidol 2	ND	ND	0.010
beta-Ocimene	ND	ND	0.010
alpha-Ocimene	ND	ND	0.010
alpha-Pinene	ND	ND	0.010
beta-Pinene	ND	ND	0.010
alpha-Terpinene	ND	ND	0.010
Gamma-Terpinene	0.018	0.183	0.010
Terpinolene	ND	ND	0.010

Microbial Test Results
[SOP008,SOP009]

Microbiological Assay	Pass/Fail	Toxicity Threshold† CFU/g †
Salmonella*	Pass	Presence
Escherichia coli(STEC)*	Pass	Presence
Aspergillus niger*	Pass	Presence
Aspergillus flavus*	Pass	Presence
Aspergillus fumigatus*	Pass	Presence
Aspergillus terreus*	Pass	Presence
Total Yeast and Mold	N/A	10,000 (10^4)
Total Aerobic Bacteria	N/A	100,000 (10^5)
Total Enterobacteriaceae	N/A	1,000 (10^3)
Total Coliform Bacteria	N/A	1,000 (10^3)
Escherichia coli	N/A	Presence

†Toxicity Theshold is based on values for dried herbal products as listed on the US Pharmacopeia
*Pass Required for CALIFORNIA CODE OF REGULATIONS TITLE 16 DIVISON 42. BUREAU OF CANNABIS CONTROL

Pesticide Screen Result*
[SOP007]

Target Analyte	California Pass/Fail	Concentration (PPM)	California Limit** Concentration (PPM)	LOD Concentration (PPB)
Acephate	Pass	ND	5.00	0.60
Acequinocyl	Pass	ND	4.00	1.50
Acetamiprid	Pass	ND	5.00	0.03
Aldicarb	Pass	ND	0.01	0.60
Avermectin B1a (Abamectin)	Pass	ND	0.30	0.60
Avermectin B1b (Abamectin)		ND		15.00
Azoxystrobin	Pass	ND	40.00	0.15
Bifenazate	Pass	ND	5.00	0.15
Bifenthrin	Pass	ND	0.50	3.00
Boscalid	Pass	ND	10.00	0.60
Carbaryl	Pass	ND	0.50	0.60
Carbofuran	Pass	ND	0.01	0.15
Chlorantraniliprole	Pass	ND	40.0	0.15
Daminozide	Pass	ND	0.01	15.00
Diazinon	Pass	ND	0.20	0.15
Dimethoate	Pass	ND	0.01	0.15
Ethoprophos	Pass	ND	0.01	0.15
Etofenprox	Pass	ND	0.01	0.60
Etoxazole	Pass	ND	1.50	0.15
Fenoxycarb	Pass	ND	0.01	15.00
Fenpyroximate	Pass	ND	2.00	0.15
Imazalil	Pass	ND	0.01	0.15
Imidacloprid	Pass	ND	3.00	0.60
Kresoxim-methyl	Pass	ND	1.00	1.50
Malathion	Pass	ND	5.00	0.60
Metalaxyl	Pass	ND	15.00	1.50
Methiocarb	Pass	ND	0.01	15.00
Methomyl	Pass	ND	0.10	0.15
Myclobutanil	Pass	ND	9.00	0.60
Paclobutrazol	Pass	ND	0.01	0.15
Permethrin, cis-	Pass	ND	20.00	15.00
Permethrin, trans-		ND		15.00
Piperonyl Butoxide	Pass	BDL	8.00	0.15
Propiconazole	Pass	ND	20.00	0.60
Propoxur	Pass	ND	0.01	0.15
Pyrethrins I	Pass	ND	1.00	3.00
Pyrethrins II		ND		3.00
Pyridaben	Pass	ND	3.00	0.15
Spinosyn A (Spinosad)	Pass	ND	3.00	0.15
Spinosyn D (Spinosad)		ND		0.60
Spiromesifen	Pass	ND	12.00	0.15
Spirotetramat	Pass	ND	13.00	0.15
Spiroxamine	Pass	ND	0.01	0.15
Tebuconazole	Pass	ND	2.00	0.15
Thiacloprid	Pass	ND	0.01	0.15
Thiamethoxam	Pass	ND	4.50	0.15
Trifloxystrobin	Pass	ND	30.00	0.15

†The action limit for all the listed pesticides are in accordance with CALIFORNIA CODE OF REGULATIONS TITLE 16 DIVISION 42. BUREAU OF CANNABIS CONTROL
*Listed as BCC Category I pesticide

Residual Solvent Test Results
[SOP006]

Target Analyte	CA Pass/Fail	PPM	California Limit** PPM	LOD PPM
Methanol	N/A	N/A	400	10.0
Pentane	N/A	N/A	5000	10.0
Ethanol	N/A	N/A	5000	10.0
Acetone	N/A	N/A	3100	10.0
Isopropyl Alcohol	N/A	N/A	320	10.0
Hexane	N/A	N/A	70	10.0
Benzene	N/A	N/A	0	10.0
Toluene	N/A	N/A	30	10.0
Total Butane†	N/A	N/A	5000	10.0

†Total Butane is the total concentration of all butane isomers

Definitions
ND=Not Detected
N/A=Not Applicable
LOQ=Limit of Quantitation
LOD=Limit of Detection
MDL=Method Detection Limit
BDL=Below Detectable Limit

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