

Regulatory Compliance Testing

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SONOMA LABWORKS

License: C8-0000015-LIC

Certificate of Analysis

Distributor:	<i>Sonoma Pacific Distribution</i>	Client:	<i>KJM Data & Research</i>
Distributor Address:	<i>3414 Standish Ave, Santa Rosa CA</i>	Client Address:	<i>265 Sutton Pl #104, Santa Rosa CA</i>
Distributor License #:	<i>C11-0000334-LIC</i>	Client License #:	<i>CDPH-10003087</i>
Date Collected:	<i>09/05/2019</i>	Batch #:	<i>HNHP090419</i>
Date Received:	<i>9/5/2019</i>	Dates of Analysis:	<i>9/5/2019 - 9/7/2019</i>

Sample Code:	<i>19C000832</i>
Sample Type:	<i>Inhalable</i>
Sample Matrix:	<i>Flower (Preroll)</i>
Sample Name:	<i>Hybrid</i>
METRC Tag:	
Total Batch:	<i>1200 Units</i>
Primary Sample:	<i>13 Units</i>

Test Summary

Overall Batch Result	Pass	
Total Calculated d9-THC (%)	24.57	Pass
Total d9 THC (mg) per package	218.66	
Total Calculated CBD (%)	0.13	
Total CBD (mg) per package	1.17	
Total Cannabinoids (%)	30.18	
Residual Solvents (Detect/No Detect)	Detect	Pass
Microbial Result (Pass/Fail)	ND	Pass
Pesticide Screen (Detect/No Detect)	ND	Pass
Heavy Metals Screen (Detect/No Detect)	Detect	Pass
Mycotoxin Screen (Detect/No Detect)	ND	Pass
Total Terpenes (%)	NT	N/A
Percent Moisture (%)	9.46	Pass
Water Activity (Aw)	0.44	Pass
Foreign Material (Present/Absent)	ND	Pass



Sample Information

Density (g/ml)	N/A
Average Weight per Package (g)	0.89

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 Laboratory Director
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9/7/2019

Date

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Regulatory Compliance Testing

Certificate of Analysis V8.2.2 Revision: 3/28/19 DC

Potency Test Result		Flower (Preroll)			
SOP: [SLW-CC] Method: HPLC Date Tested: 9/6/2019					
Target Analyte	% Test	mg/g	LOD mg/g	LOQ mg/g	Pass/Fail
CBD	0.15	1.50	0.01	0.05	N/A
CBGA	0.89	8.95	0.01	0.05	N/A
CBG	0.15	1.54	0.01	0.05	N/A
CBD	ND	ND	0.01	0.05	N/A
THCV	0.88	8.79	0.01	0.05	N/A
CBN	0.15	1.47	0.01	0.05	N/A
THCA	26.37	263.65	0.01	0.05	Pass
Delta 9-THC (d9-THC)	1.45	14.47	0.01	0.05	Pass
Delta 8-THC (d8-THC)	ND	ND	0.01	0.05	N/A
CBC	0.15	1.47	0.01	0.05	N/A

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

Residual Solvent Screen - Category 1				California Limit - All Products	
SOP: [SLW-RS] Method: GCMS Date Tested: 9/6/2019					
Target Analyte	PPM (ug/g)	LOD (ug/g)	LOQ (ug/g)	Pass/Fail	
1,2-Dichloroethane	ND	1	1	Pass	
Benzene	ND	1	1	Pass	
Chloroform	ND	1	1	Pass	
Ethylene oxide	ND	1	1	Pass	
Methylene chloride	ND	1	1	Pass	
Trichloroethylene	ND	1	1	Pass	

Residual Solvent Screen - Category 2				California Limit - Cannabis Product	
SOP: [SLW-RS] Method: GCMS Date Tested: 9/6/2019					
Target Analyte	PPM	LOD (ug/g)	LOQ (ug/g)	PPM (ug/g)	Pass/Fail
Acetone	ND	100	500	5000	Pass
Acetonitrile	ND	5	41	410	Pass
Butane	ND	100	1000	5000	Pass
Ethanol	53.36	1	10	5000	Pass
Ethyl acetate	ND	100	500	5000	Pass
Ethyl ether	ND	100	500	5000	Pass
Heptane	ND	100	500	5000	Pass
Hexane	ND	1	29	290	Pass
Isopropyl Alcohol	56.67	1	10	5000	Pass
Methanol	<LOQ	100	300	3000	Pass
Pentane	ND	100	500	5000	Pass
Propane	ND	500	5000	5000	Pass
Toluene	ND	100	100	890	Pass
Total Xylenes	ND	1.0	10.0	2170	Pass

Microbial Screen		California Limit	
SOP: [SLW-MC] Method: Plate/IDEK-14 Date Tested: 9/6/2019			
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

Heavy Metals Screen				California Limit - Inhalable Cannabis	
SOP: [SLW-MA] Method: ICPMS Date Tested: 9/5/2019					
Target Analyte	PPM	LOD (ug/g)	LOQ (ug/g)	PPM (ug/g)	Pass/Fail
Cadmium	ND	0.05	0.1	0.2	Pass
Lead	<LOQ	0.05	0.1	0.5	Pass
Arsenic	ND	0.05	0.1	0.2	Pass
Mercury	ND	0.05	0.1	0.1	Pass

Mycotoxin Screen				California Limit	
SOP: [SLW-MA] Method: LCMSMS Date Tested: 9/6/2019					
Target Analyte	PPB (ug/kg)	LOD (ug/kg)	LOQ (ug/kg)	PPB (ug/kg)	Pass/Fail
Aflatoxin B1	ND	1.0	4.0	20.00	Pass
Aflatoxin B2	ND	1.0	4.0	20.00	Pass
Aflatoxin G1	ND	1.0	4.0	20.00	Pass
Aflatoxin G2	ND	1.0	4.0	20.00	Pass
Total Aflatoxins	ND	4.0	16.0	20.00	Pass
Ochratoxin A	ND	1.0	4.0	20.00	Pass

Terpene Test Result				
SOP: [SLW-TA] GC/MS Date Tested:				
Target Analyte	% Test	mg/g	LOD (mg/g)	LOQ (mg/g)
alpha-Bisabolol	NT	NT	0.002	0.010
Camphene	NT	NT	0.002	0.010
delta-3-Carene	NT	NT	0.002	0.010
beta-Caryophyllene	NT	NT	0.002	0.010
Caryophyllene Oxide	NT	NT	0.002	0.010
p-Cymene	NT	NT	0.002	0.010
Eucalyptol	NT	NT	0.002	0.010
Geraniol	NT	NT	0.002	0.010
Guaiol	NT	NT	0.002	0.010
alpha-Humulene	NT	NT	0.002	0.010
Isopulegol	NT	NT	0.002	0.010
delta-Limonene	NT	NT	0.002	0.010
Linalool	NT	NT	0.002	0.010
beta-Myrcene	NT	NT	0.002	0.010
Nerolidol 1	NT	NT	0.002	0.010
Nerolidol 2	NT	NT	0.002	0.010
beta-Ocimene	NT	NT	0.002	0.010
alpha-Ocimene	NT	NT	0.002	0.010
alpha-Pinene	NT	NT	0.002	0.010
beta-Pinene	NT	NT	0.002	0.010
alpha-Terpinene	NT	NT	0.002	0.010
Gamma-Terpinene	NT	NT	0.002	0.010
Terpinolene	NT	NT	0.002	0.010

Client:	KJM Data & Research
Client Address:	265 Sutton Pl #104, Santa Rosa CA
Client License#:	CDPH-10003087
Batch #	HNHP090419
Date of Analysis:	09/07/2019
Sample Name:	Hybrid

Percent Moisture (%) SOP: [SLW-MCWA] Moisture Analyze Date Tested: 9/5/2019	9.46	California Limit Pass	
Water Activity (Aw) SOP: [SLW-MCWA] A Probe Date Tested: 9/5/2019	0.44	0.65Aw	Pass
Foreign Material SOP: [SLW-FM] Visual Inspection Date Tested: 9/5/2019	ND	1/4 total sample area	Pass

Pesticide Screen Result - Category 1				California Limit - All Products	
SOP: [SLW-PA] Method: LCMSMS ES/IGCMSMS Date Tested: 9/5/2019					
Target Analyte	PPM (ug/g)	LOD (ug/g)	LOQ (ug/g)	Pass/Fail	
Aldicarb	ND	0.02	0.08	Pass	
Carbofuran	ND	0.02	0.08	Pass	
Chlordane	ND	0.05	0.10	Pass	
Chlorfenapyr	ND	0.05	0.10	Pass	
Chlorpyrifos	ND	0.02	0.08	Pass	
Coumaphos	ND	0.02	0.08	Pass	
Daminozide	ND	0.02	0.08	Pass	
Dichlorvos	ND	0.02	0.08	Pass	
Dimethoate	ND	0.02	0.08	Pass	
Ethionprop(hos)	ND	0.02	0.08	Pass	
Etofenprox	ND	0.02	0.08	Pass	
Fenoxycarb	ND	0.02	0.08	Pass	
Fipronil	ND	0.02	0.08	Pass	
Imazalil	ND	0.02	0.08	Pass	
Methidarb	ND	0.02	0.08	Pass	
Methyl Parathion	ND	0.05	0.10	Pass	
Mevinphos	ND	0.02	0.08	Pass	
Paclobutrazol	ND	0.02	0.08	Pass	
Propoxur	ND	0.02	0.08	Pass	
Spiroxamine	ND	0.02	0.08	Pass	
Thiacloprid	ND	0.02	0.08	Pass	

Pesticide Screen Result - Category 2				California Limit - Inhalable Cannabis	
SOP: [SLW-PA] Method: LCMSMS ES/IGCMSMS Date Tested: 9/5/2019					
Target Analyte	PPM (ug/g)	LOD (ug/g)	LOQ (ug/g)	PPM (ug/g)	Pass/Fail
Acephate	ND	0.02	0.08	0.1	Pass
Acequinocyl	ND	0.02	0.08	0.1	Pass
Acetamiprid	ND	0.02	0.08	0.1	Pass
Avermectin B1a (Abamectin)	ND	0.02	0.08	0.1	Pass
Avermectin B1b (Abamectin)	ND	0.10	0.20	0.1	Pass
Azoxystrobin	ND	0.02	0.08	0.1	Pass
Bifenazate	ND	0.02	0.08	0.1	Pass
Bifenthrin	ND	0.02	0.08	3.0	Pass
Boscalid	ND	0.02	0.08	0.1	Pass
Captan	ND	0.12	0.20	0.7	Pass
Carbaryl	ND	0.02	0.08	0.5	Pass
Chlorantraniliprole	ND	0.02	0.08	10.0	Pass
Cyflentazine	ND	0.02	0.08	0.1	Pass
Cyfluthrin	ND	0.02	0.10	2.0	Pass
Cypermethrin	ND	0.05	0.10	1.0	Pass
Diazinon	ND	0.02	0.08	0.1	Pass
Dimethomorph	ND	0.02	0.08	2.0	Pass
Etoxazole	ND	0.02	0.08	0.1	Pass
Fenhexamid	ND	0.02	0.08	0.1	Pass
Fenproyoximate	ND	0.02	0.08	0.1	Pass
Fonicamid	ND	0.02	0.08	0.1	Pass
Fludioxonil	ND	0.02	0.08	0.1	Pass
Hexythiazox	ND	0.02	0.08	0.1	Pass
Imidacloprid	ND	0.02	0.08	5.0	Pass
Kresoxim-methyl	ND	0.02	0.08	0.1	Pass
Malathion	ND	0.02	0.08	0.5	Pass
Metaxyl	ND	0.02	0.08	2.0	Pass
Methomyl	ND	0.02	0.08	1.0	Pass
Myclobutanil	ND	0.02	0.08	0.1	Pass
Naled	ND	0.02	0.08	0.1	Pass
Oxamyl	ND	0.02	0.08	0.5	Pass
Pentachloronitrobenzene	ND	0.05	0.10	0.1	Pass
Permethrin, CIS-	ND	0.02	0.08	0.5	Pass
Permethrin, Trans-	ND	0.02	0.08	0.5	Pass
Phosmet	ND	0.02	0.08	0.1	Pass
Piperonyl butoxide	ND	0.02	0.08	3.0	Pass
Prallethrin	ND	0.02	0.08	0.1	Pass
Propiconazole	ND	0.02	0.08	0.5	Pass
Pyrethrins	ND	0.02	0.08	0.5	Pass
Pyridaben	ND	0.02	0.08	0.1	Pass
Spinetoram	ND	0.02	0.08	0.1	Pass
Spinosyn A (Spinosad)	ND	0.02	0.08	0.1	Pass
Spinosyn D (Spinosad)	ND	0.08	0.16	0.1	Pass
Spiromesifen	ND	0.02	0.08	0.1	Pass
Spirotetramat	ND	0.02	0.08	0.1	Pass
Tebuconazole	ND	0.02	0.08	0.1	Pass
Thiamethoxam	ND	0.02	0.08	0.1	Pass
Trifloxystrobin	ND	0.02	0.08	0.1	Pass

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

All results have accompanying LQC samples adhering to section 5730 of CA Code of Regulations Title 16