

Regulatory Compliance Testing

Sonoma Lab Works
1201 Corporate Center Parkway
Santa Rosa, CA 95407
Phone: (707)757-7757
www.sonomalabworks.com



License: C8-0000015-LIC

Certificate of Analysis

Distributor:	<i>Radiant Farms</i>	Client:	<i>Sisu Extracts</i>
Distributor Address:	<i>1821 Empire Industrial Ct. #F, Santa Rosa CA</i>	Client Address:	<i>112 W 3rd St Ste E, Eureka</i>
Distributor License #:	<i>C11-0000266-LIC</i>	Client License #:	<i>CDPH-10003338</i>
Date Collected:	<i>07/10/2020</i>	Batch #:	<i>WT11200709</i>
Date Received:	<i>7/10/2020</i>	Dates of Analysis:	<i>7/13/2020 - 7/13/2020</i>

Sample Code:	<i>20C002099</i>
Sample Type:	<i>Non-Inhalable</i>
Sample Matrix:	<i>Tinctures</i>
Sample Name:	<i>Wonder 1-1 Tincture 1oz</i>
METRC Tag:	<i>1A4060300003124000000181</i>
Total Batch:	<i>1,398 Units</i>
Primary Sample:	<i>13 Units</i>

Test Summary

Overall Batch Result	Pass	
Total Calculated d9-THC (mg/ml)	10.50	Pass
Total d9 THC (mg) per package	314.86	
Total Calculated CBD (mg/ml)	10.58	
Total CBD (mg) per package	314.28	
Total Cannabinoids (mg) per package	724.30	
Residual Solvents (Detect/No Detect)	ND	Pass
Microbial Result (Pass/Fail)	ND	Pass
Pesticide Screen (Detect/No Detect)	ND	Pass
Heavy Metals Screen (Detect/No Detect)	ND	Pass
Mycotoxin Screen (Detect/No Detect)	ND	Pass
Total Terpenes (%)	NT	N/A
Percent Moisture (%)	NT	NT
Water Activity (Aw)	NT	NT
Foreign Material (Present/Absent)	ND	Pass



Sample Information

Density (g/ml)	.97
Average Weight/Package (ml)	30.00

David Chen
Laboratory Director
david@sonomalabworks.com

7/13/2020

Date



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Regulatory Compliance Testing

Certificate of Analysis

V8.2.2
Revision: 3/28/19 DC

Potency Test Result

SOP: [BLW-CG] Method: HPLC		Date Tested: 7/13/2020			
Target Analyte	% Test	mg/ml	LOD mg/ml	LOQ mg/ml	Pass/Fail
CBD	0.01	0.12	0.01	0.05	N/A
CBGA	ND	ND	0.01	0.05	N/A
CBG	0.28	2.72	0.01	0.05	N/A
CBD	1.08	10.48	0.01	0.05	N/A
THCV	ND	ND	0.01	0.05	N/A
CBN	0.04	0.34	0.01	0.05	N/A
THCA	ND	ND	0.01	0.05	Pass
Delta 9-THC (d9-THC)	1.08	10.50	0.01	0.05	Pass
Delta 8-THC (d8-THC)	ND	ND	0.01	0.05	N/A
CBC	ND	ND	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

SOP: [BLW-RS] Method: GCMS		Date Tested: 7/13/2020			California Limit - All Products
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

SOP: [BLW-RS] Method: GCMS		Date Tested: 7/13/2020			California Limit - Cannabis Product
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	ND	1	10	1000000.0	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	ND	1	10	5000	Pass
Methanol	ND	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

SOP: [BLW-MG] Method: Pathocheck V		Date Tested: 7/13/2020			California Limit
Microbiological Assay		Threshold		Pass/Fail	
Salmonella	ND	Detect/1 gram		Pass	
Escherichia Coli (STEC)	ND	Detect/1 gram		Pass	
Aspergillus niger	ND			Pass	
Aspergillus fumigatus	ND			Pass	
Aspergillus flavus	ND			Pass	
Aspergillus terreus	ND			Pass	

Heavy Metals Screen

SOP: [BLW-MM] Method: ICPMS		Date Tested: 7/13/2020			California Limit - Non-Inhalable Cannabis
Target Analyte	PPM	LOD (ug/g)	LOQ (ug/g)	PPM (ug/g)	Pass/Fail
Cadmium	ND	0.05	0.1	0.5	Pass
Lead	ND	0.05	0.1	0.5	Pass
Arsenic	ND	0.05	0.1	1.5	Pass
Mercury	ND	0.05	0.1	3.0	Pass

Mycotoxin Screen

SOP: [BLW-MM] Method: LCMSMS		Date Tested: 7/13/2020			California Limit
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: [BLW-TA] GC/MS		Date Tested:		
Target Analyte	% Test	mg/g	LOD (mg/g)	LOQ (mg/g)
alpha-Bisabolol	NT	NT	0.02	0.10
Camphene	NT	NT	0.02	0.10
delta-3-Carene	NT	NT	0.02	0.10
beta-Caryophyllene	NT	NT	0.02	0.10
Caryophyllene Oxide	NT	NT	0.02	0.10
p-Cymene	NT	NT	0.02	0.10
Eucalyptol	NT	NT	0.02	0.10
Geraniol	NT	NT	0.02	0.10
Guaiol	NT	NT	0.02	0.10
alpha-Humulene	NT	NT	0.02	0.10
Isopulegol	NT	NT	0.02	0.10
delta-Limonene	NT	NT	0.02	0.10
Linalool	NT	NT	0.02	0.10
beta-Myrcene	NT	NT	0.02	0.10
Nerolidol 1	NT	NT	0.02	0.10
Nerolidol 2	NT	NT	0.02	0.10
beta-Ocimene	NT	NT	0.02	0.10
alpha-OCimene	NT	NT	0.02	0.10
alpha-Pinene	NT	NT	0.02	0.10
beta-Pinene	NT	NT	0.02	0.10
alpha-Terpinene	NT	NT	0.02	0.10
Gamma-Terpinene	NT	NT	0.02	0.10
Terpinolene	NT	NT	0.02	0.10

Client:	Sisu Extracts
Client Address:	112 W 3rd St Ste E, Eureka
Client License#:	CDPH-10003338
Batch #	WT11200709
Dates of Analysis:	7/13/2020 - 7/13/2020
Sample Name:	Wonder 1-1 Tincture 1oz

Percent Moisture (%)	N/A		California Limit
SOP: [BLW-MO] Method: Analyser			N/A
Date Tested:			
Water Activity (Aw)	N/A		N/A
SOP: [BLW-AW] Method: A. Probe			
Date Tested:			
Foreign Material	ND		Pass
SOP: [BLW-FM] Method: Visual Inspection			
Date Tested:			

Pesticide Screen Result - Category 1

SOP: [BLW-PA] Method: LCMSMS ES/IGCMSMS		Date Tested: 7/13/2020			California Limit - All Products
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	
Ethionex (hos)	ND	0.02	0.08	Pass	
Etofenprox	ND	0.02	0.08	Pass	
Fenoxycarb	ND	0.02	0.08	Pass	
Flupronil	ND	0.02	0.08	Pass	
Imazalil	ND	0.02	0.08	Pass	
Methiocarb	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

SOP: [BLW-PA] Method: LCMSMS ES/IGCMSMS		Date Tested: 7/13/2020			California Limit - Non-Inhalable Cannabis
Target Analyte	PPM (ug/g)	LOD (ug/g)	LOQ (ug/g)	PPM (ug/g)	Pass/Fail
Acephate	ND	0.02	0.08	5.0	Pass
Acequinocyl	ND	0.02	0.08	4.0	Pass
Acetamiprid	ND	0.02	0.08	5.0	Pass
Avermectin B1a (Abamectin)	ND	0.02	0.08	0.3	Pass
Avermectin B1b (Abamectin)	ND	0.10	0.20	0.3	Pass
Azoxystrobin	ND	0.02	0.08	40.0	Pass
Bifenazate	ND	0.02	0.08	5.0	Pass
Bifenthrin	ND	0.02	0.08	0.5	Pass
Boscalid	ND	0.02	0.08	10.0	Pass
Captan	ND	0.12	0.20	5.0	Pass
Carbaryl	ND	0.02	0.08	0.5	Pass
Chlorantraniliprole	ND	0.02	0.08	40.0	Pass
Clofentazine	ND	0.02	0.08	0.5	Pass
Cyfluthrin	ND	0.02	0.10	1.0	Pass
Cypermethrin	ND	0.05	0.10	1.0	Pass
Diazinon	ND	0.02	0.08	0.2	Pass
Dimethomorph	ND	0.02	0.08	20.0	Pass
Etoazole	ND	0.02	0.08	1.5	Pass
Fenhexamid	ND	0.02	0.08	10.0	Pass
Fenpyroximate	ND	0.02	0.08	2.0	Pass
Flonicamid	ND	0.02	0.08	2.0	Pass
Fludioxonil	ND	0.02	0.08	30.0	Pass
Hexythiazox	ND	0.02	0.08	2.0	Pass
Imidacloprid	ND	0.02	0.08	3.0	Pass
Kresoxim-methyl	ND	0.02	0.08	1.0	Pass
Malathion	ND	0.02	0.08	5.0	Pass
Metaxyl	ND	0.02	0.08	15.0	Pass
Methomyl	ND	0.02	0.08	0.1	Pass
Myclobutanil	ND	0.02	0.08	9.0	Pass
Naled	ND	0.02	0.08	0.5	Pass
Oxamyl	ND	0.02	0.08	0.2	Pass
Pentachloronitrobenzene	ND	0.05	0.10	0.2	Pass
Permethrin, CIS-	ND	0.02	0.08	20.0	Pass
Permethrin, Trans-	ND	0.02	0.08	20.0	Pass
Phosmet	ND	0.02	0.08	0.2	Pass
Piperonyl butoxide	ND	0.02	0.08	8.0	Pass
Prallethrin	ND	0.02	0.08	0.4	Pass
Propiconazole	ND	0.02	0.08	20.0	Pass
Pyrethrins	ND	0.02	0.08	1.0	Pass
Pyridaben	ND	0.02	0.08	3.0	Pass
Spinetoram	ND	0.02	0.08	3.0	Pass
Spinosyn A (Spinosad)	ND	0.02	0.08	3.0	Pass
Spinosyn D (Spinosad)	ND	0.08	0.16	3.0	Pass
Spiromesifen	ND	0.02	0.08	12.0	Pass
Spirotetramat	ND	0.02	0.08	13.0	Pass
Tebuconazole	ND	0.02	0.08	2.0	Pass
Thiamethoxam	ND	0.02	0.08	4.5	Pass
Trifloxystrobin	ND	0.02	0.08	30.0	Pass



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

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