

Regulatory Compliance Testing

Sonoma Lab Works
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License: C8-0000015-LIC

Certificate of Analysis

Distributor:	<i>Radiant Farms</i>	Client:	<i>Radiant Farm, Inc.</i>
Distributor Address:	<i>1821 Empire Industrial Ct. #F, Santa Rosa CA</i>	Client Address:	<i>1821 Empire Industrial Ct. #F, Santa Rosa CA</i>
Distributor License #:	<i>C11-0000266-LIC</i>	Client License #:	<i>CDPH-10002595</i>
Date Collected:	<i>01/22/2021</i>	Batch #:	<i>WCBDT210121</i>
Date Received:	<i>1/22/2021</i>	Dates of Analysis:	<i>1/25/2021 - 1/25/2021</i>

Sample Code:	<i>21C000146</i>
Sample Type:	<i>Non-Inhalable</i>
Sample Matrix:	<i>Tinctures</i>
Sample Name:	<i>Wonder High CBD Tincture</i>
METRC Tag:	<i>1A4060300003124000000242</i>
Total Batch:	<i>1300 Units</i>
Primary Sample:	<i>13 Units</i>

Test Summary

Overall Batch Result	Pass	
Total Calculated d9-THC (mg/ml)	1.00	Pass
Total d9 THC (mg) per package	29.95	
Total Calculated CBD (mg/ml)	19.63	
Total CBD (mg) per package	587.23	
Total Cannabinoids (mg) per package	634.18	
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)	.96
Average Weight/Package (ml)	30.00

David Chen
Laboratory Director
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1/25/2021

Date



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Regulatory Compliance Testing

Certificate of Analysis

V8.2.2
Revision: 3/28/19 DC

Potency Test Result

SOP: [BLW-CQ] Method: HPLC		Date Tested: 1/25/2021				
Target Analyte	% Test	mg/ml	LOD mg/ml	LOQ mg/ml	Pass/Fail	
CBD	<0.025	<0.25	0.05	0.25	N/A	
CBGA	ND	ND	0.05	0.25	N/A	
CBG	0.04	0.38	0.05	0.25	N/A	
CBD	2.04	19.57	0.05	0.25	N/A	
THCV	<0.025	<0.25	0.05	0.25	N/A	
CBN	ND	ND	0.05	0.25	N/A	
THCA	ND	ND	0.05	0.25	Pass	
Delta 9-THC (d9-THC)	0.10	1.00	0.05	0.25		
Delta 8-THC (d8-THC)	ND	ND	0.05	0.25	N/A	
CBC	ND	ND	0.05	0.25	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: GC/MS		Date Tested: 1/25/2021				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: GC/MS		Date Tested: 1/25/2021					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: 1/25/2021			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: ICP/MS		Date Tested: 1/25/2021				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: LC/MS/MS		Date Tested: 1/25/2021					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:	Radiant Farm, Inc.
Client Address:	1821 Empire Industrial Ct. #F, Santa Rosa CA
Client License#:	CDPH-10002595
Batch #	WCBDT210121
Dates of Analysis:	1/25/2021 - 1/25/2021
Sample Name:	Wonder High CBD Tincture

Percent Moisture (%)	N/A		California Limit
SOP: [BLW-MO] Moisture Analyzer			N/A
Date Tested:			
Water Activity (Aw)	N/A		N/A
SOP: [BLW-AW] A. Probe			
Date Tested:			
Foreign Material	ND	1/4 total sample area	Pass
SOP: [BLW-FM] Visual Inspection			
Date Tested:			

Pesticide Screen Result - Category 1

SOP: [BLW-PA] Method: LC/MS/MS ES/IG/MS/MS		Date Tested: 1/25/2021			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	
Ethionprop(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: LC/MS/MS ES/IG/MS/MS		Date Tested: 1/25/2021			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
Etoxazole	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
Metalaxyl	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	0.02	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