

Botany Scientifics

8647 Wurzbach Road, Unit F San Antonio, TX 78240
(210) 900-4367
Project 09/03/2024

Seed to Sale: N/A
Retail Batch#: N/A
Cultivar: N/A
Cultivation Facility: N/A
Processing Facility: N/A
Sampling: SOP 21

COMPLIANCE FOR RETAIL

Sample Name: 3000mg Peppermint Tincture FSO-TDS-1000MG-NT

Lab Sample ID: F409054-01
Retail Batch Total Wt/Vol: N/A
Retail Batch Date: N/A

Matrix: Non-Inhalable Product
Retail Batch Total Units: N/A
Total Wt, Vol or Unit Sampled: 1

Date Sampled: 09/03/2024
Date Received: 09/03/2024
Date Reported: 09/10/2024



Terpenes
Tested



Heavy Metals
Pass



Foreign Materials
Pass



Microbiology
Pass



Mycotoxins
Pass



Residual Solvents
Pass



Pesticides
Pass



Moisture Content
Not Tested



Water Activity
Pass



Total Cannabinoids	
11.7%	
Major Cannabinoids	
Total CBD	Total THC
10.8%	0.262%
108 mg/g	2.62 mg/g
3240.00 mg/Unit	78.60 mg/Unit
Minor Cannabinoids *	
CBC	delta-9-THC
0.408%	0.262%
4.08 mg/g	2.62 mg/g
122.40 mg/Unit	78.60 mg/Unit

Terpenes Profile

Date Prepared: 09/06/24 09:43 Prep ID: MC Specimen Prep: 1.03 g / 10 mL
Date Analyzed: 09/09/24 16:56 Analyzed ID: NS Instrument: GCMS
Lab Batch: B24H070 Prep/Analysis Method: ACCU LAB SOP17

Analyte	Dilution	LOQ	Results
		mg/g	mg/g
Hexahydrothymol	1	0.39	3.2
Eucalyptol	1	0.39	0.59
alpha-Bisabolol	1	0.39	0.51
(-)-Isopulegol	1	0.39	ND
alpha-Cedrene	1	0.39	ND
alpha-Humulene	1	0.39	ND
alpha-Pinene	1	0.39	ND
alpha-Terpinene	1	0.39	ND
beta-Caryophyllene	1	0.39	ND
beta-Myrcene	1	0.39	ND
beta-Pinene	1	0.39	ND
Borneol	1	0.39	ND
Camphene	1	0.39	ND
Camphor	1	0.39	ND
Caryophyllene Oxide	1	0.39	ND
Cedrol	1	0.39	ND
cis-Nerolidol	1	0.39	ND
Delta-3-carene	1	0.39	ND
d-Limonene	1	0.39	ND
Endo-fenchyl alcohol	1	0.39	ND
Farnesene	1	0.39	ND
Fenchone	1	0.39	ND
gamma-Terpinene	1	0.39	ND
Geraniol	1	0.39	ND
Geranyl acetate	1	0.39	ND
Guaiol	1	0.39	ND
Isoborneol	1	0.39	ND
Linalool	1	0.39	ND
Nerol	1	0.39	ND
Ocimene	1	0.39	ND
p-Mentha-1,5-diene	1	0.39	ND
Pulegone	1	0.39	ND
Sabinene	1	0.39	ND
Sabinene hydrate	1	0.39	ND
Terpineol	1	0.39	ND
Terpinolene	1	0.39	ND
trans-Nerolidol	1	0.39	ND
Valencene	1	0.39	ND

Potency (as Received)

* Most abundant

Cannabinoids

Unit Size: 30ml Servings per Unit: 1

Date Prepared: 09/05/24 11:04
Date Analyzed: 09/05/24 20:24
Lab Batch: B24H072

Prep ID: MC
Analyst ID: DH

Specimen Prep: 0.2512 g / 10 mL
Instrument: HPLC
Prep/Analysis Method: ACCU LAB SOP15

Analyte	Dilution	LOQ	Results	
			%	mg/Unit
CBC	10	0.0398	0.408	122.40
CBCA	10	0.0398	ND	ND
CBD	50	0.199	10.8	3240.00
CBDA	10	0.0398	ND	ND
CBDV	10	0.0398	0.0450	13.50
CBDVA	10	0.0398	ND	ND
CBG	10	0.0398	0.149	44.70
CBGA	10	0.0398	ND	ND
CBN	10	0.0398	ND	ND
delta-8-THC	10	0.0398	ND	ND
delta-9-THC	10	0.0398	0.262	78.60
THCA	10	0.0398	ND	ND
THCV	10	0.0398	ND	ND
THCVA	10	0.0398	ND	ND

Total Terpenes mg/g

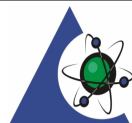
4.30

Definitions and Abbreviations used in this report:

Total CBD = CBD + (CBD-A * 0.877), Total THC = THCA-A * 0.877 + Delta 9 THC

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PJLA
Testing
Accreditation#: 109150

Dr. Harry Behzadi, PhD.
President, CEO



Botany Scientifics

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Cultivar: N/A
Cultivation Facility: N/A
Processing Facility: N/A
Sampling: SOP 21

COMPLIANCE FOR RETAIL

Sample Name: 3000mg Peppermint Tincture FSO-TDS-1000MG-NT

Date Sampled: 09/03/2024

Lab Sample ID: F409054-01

Matrix: Non-Inhalable Product

Date Received: 09/03/2024

Retail Batch Total Wt/Vol: N/A

Retail Batch Total Units: N/A

Date Reported: 09/10/2024

Retail Batch Date: N/A

Total Wt, Vol or Unit Sampled: 1

Pesticides

Date Prepared: 09/05/24 12:07
Date Analyzed: 09/05/24 20:47
Batch: B241011

Prep ID: KF
Analyst ID: AJ

Specimen Prep: 1.03 g / 10 mL
Instrument: LC/MS/MS

Prep Method: LAB SOP 8 Analysis Method: ACCU LAB SOP18

Pass

Analyte	DIL	Action Limit	LOQ	Results	Status	Analyte	DIL	Action Limit	LOQ	Results	Status
		ppb	ppb	ppb				ppb	ppb	ppb	
Abamectin	10	300	4.9	ND	Pass	Imidacloprid	10	3000	4.9	ND	Pass
Acephate	10	3000	4.9	ND	Pass	Kresoxim methyl	10	1000	4.9	ND	Pass
Acequinocyl	10	2000	4.9	ND	Pass	Malathion	10	2000	4.9	ND	Pass
Acetamiprid	10	3000	4.9	ND	Pass	Metalaxyl	10	3000	4.9	ND	Pass
Aldicarb	10	100	4.9	ND	Pass	Methiocarb	10	100	4.9	ND	Pass
Azoxystrobin	10	3000	4.9	ND	Pass	Methomyl	10	100	4.9	ND	Pass
Bifenazate	10	3000	4.9	ND	Pass	Mevinphos	10	100	4.9	ND	Pass
Bifenthrin	10	500	4.9	ND	Pass	Myclobutanil	10	3000	4.9	ND	Pass
Boscalid	10	3000	4.9	ND	Pass	Naled	10	500	4.9	ND	Pass
Carbaryl	10	500	4.9	ND	Pass	Oxamyl	10	500	4.9	ND	Pass
Carbofuran	10	100	4.9	ND	Pass	Pacllobutrazol	10	100	4.9	ND	Pass
Chlorantraniliprole	10	3000	4.9	ND	Pass	Permethrin	10	1000	4.9	ND	Pass
Chlorfenapyr	10	100	4.9	ND	Pass	Phosmet	10	200	4.9	ND	Pass
Chlormequat	10	3000	4.9	ND	Pass	Piperonyl butoxide	10	3000	4.9	ND	Pass
Chlorpyrifos	10	100	4.9	ND	Pass	Prallethrin	10	400	4.9	ND	Pass
Clofentezine	10	500	4.9	ND	Pass	Propiconazole	10	1000	4.9	ND	Pass
Coumaphos	10	100	4.9	ND	Pass	Propoxur	10	100	4.9	ND	Pass
Cyfluthrin	10	1000	4.9	ND	Pass	Pyrethrins	10	1000	4.9	ND	Pass
Cypermethrin	10	1000	4.9	ND	Pass	Pyridaben	10	3000	4.9	ND	Pass
Daminozide	10	100	4.9	ND	Pass	Spinetoram J	10	3000	4.9	ND	Pass
Diazinon	10	200	4.9	ND	Pass	Spinetoram L	10	3000	4.9	ND	Pass
Dichlorvos	10	100	4.9	ND	Pass	Spinosyn A	10	3000	4.9	ND	Pass
Dimethoate	10	100	4.9	ND	Pass	Spinosyn D	10	3000	4.9	ND	Pass
Dimethomorph	10	3000	4.9	ND	Pass	Spiromesifen	10	3000	4.9	ND	Pass
Ethoprophos	10	100	4.9	ND	Pass	Spirotetramat	10	3000	4.9	ND	Pass
Etofenprox	10	100	4.9	ND	Pass	Spiroxamine	10	100	4.9	ND	Pass
Etoazole	10	1500	4.9	ND	Pass	Tebuconazole	10	1000	4.9	ND	Pass
Fenhexamid	10	3000	4.9	ND	Pass	Thiacloprid	10	100	4.9	ND	Pass
Fenoxycarb	10	100	4.9	ND	Pass	Thiamethoxam	10	1000	4.9	ND	Pass
Fenpyroximate	10	2000	4.9	ND	Pass	Trifloxystrobin	10	3000	4.9	ND	Pass
Fipronil	10	100	4.9	ND	Pass	Captan	1	3000	240	ND	Pass
Fonicamid	10	2000	4.9	ND	Pass	Chlordane	1	100	47	ND	Pass
Fludioxonil	10	3000	4.9	ND	Pass	Methyl parathion	1	100	47	ND	Pass
Hexythiazox	10	2000	4.9	ND	Pass	Pentachloronitrobenzene	1	200	47	ND	Pass
Imazalil	10	100	4.9	ND	Pass						

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Cultivar: N/A
Cultivation Facility: N/A
Processing Facility: N/A
Sampling: SOP 21

COMPLIANCE FOR RETAIL

Sample Name: 3000mg Peppermint Tincture FSO-TDS-1000MG-NT

Lab Sample ID: F409054-01 Matrix: Non-Inhalable Product
Retail Batch Total Wt/Vol: N/A Retail Batch Total Units: N/A
Retail Batch Date: N/A Total Wt, Vol or Unit Sampled: 1

Date Sampled: 09/03/2024
Date Received: 09/03/2024
Date Reported: 09/10/2024

Microbials

Pass

Analyte	Action Limit	LOQ	Results	Status
	cfu/g	cfu/g	cfu/g	
Aspergillus Flavus	1	1.00	<1.00	Pass
Aspergillus Fumigatus	1	1.00	<1.00	Pass
Aspergillus Niger	1	1.00	<1.00	Pass
Aspergillus Terreus	1	1.00	<1.00	Pass
E. coli specific gene	1	1.00	<1.00	Pass
E. coli/shigella spp.	1	1.00	<1.00	Pass
Salmonella specific gene	1	1.00	<1.00	Pass
Stx1 gene	1	1.00	<1.00	Pass
Stx2 gene	1	1.00	<1.00	Pass

Date Prepared: 09/04/24 14:00 Prep ID: ES Specimen Prep: 1 g / 1 g
Date Analyzed: 09/06/24 12:30 Analyst ID: ES Instrument: QPCR
Lab Batch: B24H058 Analysis Method: ACCU LAB SOP14

Mycotoxins

Pass

Analyte	DIL	Action Limit	LOQ	Results	Status
		ppb	ppb	ppb	
afatoxin B1	10	20	0.97	ND	Pass
afatoxin B2	10	20	0.97	ND	Pass
afatoxin G1	10	20	0.97	ND	Pass
afatoxin G2	10	20	0.97	ND	Pass
ochratoxin A	10	20	0.97	ND	Pass

Heavy Metals

Pass

Analyte	DIL	Action Limit	LOQ	Results	Status
		ppb	ppb	ppb	
Arsenic	1	1500	95	ND	Pass
Cadmium	1	500	95	ND	Pass
Lead	1	500	95	ND	Pass
Mercury	1	3000	95	ND	Pass

Date Prepared: 09/04/24 14:55 Extracted By: KC Specimen Prep: 1.05 g / 50 mL
Date Analyzed: 09/04/24 18:23 Analyzed By: NS Instrument: ICPMS
Lab Batch: B24I001 Analysis Method: ACCU LAB SOP19

Water Activity

Pass

Analyte	Action Limit	Result	Status
	A _w	A _w	
Water Activity	0.85	0.63	Pass

Date Prepared: 09/05/24 09:13 Prep ID: WM Specimen Prep: 0.5 g / 0.5 g
Date Analyzed: 09/05/24 09:13 Analyst ID: WM Instrument: Rotronic Water Activity Probe
Lab Batch: B24I009 Analysis Method: ACCU LAB SOP10

Foreign Materials

Pass

Analyte	Action Limit (% by wt)	Results	Status
Foreign Material	1%	Pass	Pass

Date Prepared: 09/05/24 08:52 Prep ID: WM Specimen Prep: 0.5 g / 0.5 g
Date Analyzed: 09/05/24 09:13 Analyst ID: WM Instrument: Visual Inspection
Lab Batch: B24I009 Analysis Method: ACCU LAB SOP04

Total Contaminant Load

	Action Limit	Results	Status
	ppb	ppb	
Total Contaminant Load - Overall Sum	30,000	ND	Pass
Total Contaminant Load - Heavy Metals	30,000	ND	Pass
Total Contaminant Load - Pesticides	30,000	ND	Pass

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Botany Scientificals

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Project 09/03/2024

Seed to Sale: N/A
Retail Batch#: N/A
Cultivar: N/A
Cultivation Facility: N/A
Processing Facility: N/A
Sampling: SOP 21

COMPLIANCE FOR RETAIL

Sample Name: 3000mg Peppermint Tincture FSO-TDS-1000MG-NT

Lab Sample ID: F409054-01
Retail Batch Total Wt/Vol: N/A
Retail Batch Date: N/A

Matrix: Non-Inhalable Product
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Total Wt, Vol or Unit Sampled: 1

Date Sampled: 09/03/2024
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Residual Solvents

Pass

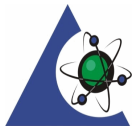
Date Prepared: 09/05/24 11:20 Prep ID: DH Specimen Prep: 0.135 g / 1 mL
Date Analyzed: 09/05/24 21:59 Analyst ID: DH Instrument: Headspace GC-FID
Lab Batch: B241006 Analysis Method: ACCU LAB SOP16

Analyte	DIL	Action Limit	LOQ	Results	Status
		ppm	ppm	ppm	
1,1-Dichloroethene	1	8	1.5	ND	Pass
1,2-Dichloroethane	1	2	1.5	ND	Pass
2-Propanol (IPA)	1	500	15	140	Pass
Acetone	1	750	15	ND	Pass
Acetonitrile	1	60	15	ND	Pass
Benzene	1	1	0.15	ND	Pass
Butane	1	5000	7.4	ND	Pass
Chloroform	1	2	1.5	ND	Pass
Ethanol	1	5000	15	ND	Pass
Ethyl acetate	1	400	1.5	ND	Pass
Ethyl ether	1	500	1.5	ND	Pass
Ethylene oxide	1	5	1.5	ND	Pass
Methanol	1	250	15	ND	Pass
Methylene chloride	1	125	1.5	ND	Pass
n-Heptane	1	5000	1.5	ND	Pass
n-Hexane	1	250	0.30	ND	Pass
Pentane	1	750	0.49	ND	Pass
Propane	1	5000	15	ND	Pass
Toluene	1	150	1.5	ND	Pass
Total xylenes	1	150	3.7	ND	Pass
Trichloroethene	1	25	1.5	ND	Pass

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