CERTIFICATE OF ANALYSIS

ISO/IEC: 17025:2017 Accreditation #: 103104
License #: CMTL-0004

SunFlora Inc.
Order #: 75163
Retail Batch #: 010123FCBN 1000mg CBN Blueberry Full Spectrum Tincture

Order Information

Order #: 75163
Order Name: 010123FCBN 1000mg CBN Blueberry Full Spectrum Tincture
Retail Batch #: 010123FCBN 1000mg CBN Blueberry Full Spectrum Tincture
Received: 01/09/2023 14:57:05
Complete: 01/19/2023 11:08:38

Batch Information

Create Date:
Exp. Date:
Size: 0
Total Qty.: 0
Matrix: Tincture
Pickup Weight: N/A

CANNABINOID PROFILE TESTED	LABEL CLAIM NOT APPLICABLE	MICROBIAL ANALYSIS PASS
RESIDUAL SOLVENTS PASS	AGRICULTURAL AGENTS PASS	HEAVY METAL ANALYSIS PASS
TERPENES NOT TESTED	MOISTURE ANALYSIS NOT TESTED	WATER ACTIVITY TESTED
FILTH & FOREIGN MATERIAL ANALYSIS PASS	HOMOGENEITY NOT TESTED	MYCOTOXIN ANALYSIS PASS



0.057 %
Total THC

2.985 %
Total CBD

4.111 %
Total Cannabinoids

Diana Asensio, M.S.
Lab Director

Florida
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Davie, FL 33314
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SunFlora Inc.
Order #: 75163
Retail Batch #: 010123FCBN
1000mg CBN Blueberry Full Spectrum Tincture

Sample Prep

Tech: 4245
SOP: 418
Batch Number: 57877
Batch Date: 01/10/2023 12:45:08

Sample Analysis

Date/Time: 01/13/2023 11:39:52
Tech: 1012
SOP: 417
Final Weight: 0.2023 g
Volume: 40 ml

CANNABINOID PROFILE

HPLC-DAD

0.057 % Total THC	0.538 mg THC Per Unit	16.131 mg THC Per Pkg
2.985 % Total CBD	28.207 mg CBD Per Unit	846.219 mg CBD Per Pkg
4.111 % Total Cannabinoids	38.851 mg Cannabinoids Per Unit	1165.525 mg Cannabinoids Per Pkg

Cannabinoid Potency

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBC	0.064/0.1954	1	0.062	0.617	0.583	17.492	--	--
CBD	0.064/0.1954	1	2.985	29.849	28.207	846.219	--	--
CBDA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBDV	0.064/0.1954	1	<LOQ	<LOQ	<LOQ	<LOQ	--	--
CBG	0.064/0.1954	1	0.027	0.274	0.259	7.768	--	--
CBGA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	1	0.980	9.803	9.264	277.915	--	--
d8-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	1	0.057	0.569	0.538	16.131	--	--
THCA	0.064/0.1954	1	ND	ND	ND	ND	--	--
THCV	0.064/0.1954	1	ND	ND	ND	ND	--	--

Additional Cannabinoids

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBDVA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBL	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBT	0.064/0.1954	1	ND	ND	ND	ND	--	--
d10-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THCP	0.064/0.1954	1	ND	ND	ND	ND	--	--
exo-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--

mg/unit = 1 (g) per unit x 0.945 (g/ml) x cannabinoid concentration (mg/g)
For inhalation derivative products, Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

CANNABINOID TOTALS	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE
Total THC	0.057	0.569	0.538	16.131
Total CBD	2.985	29.849	28.207	846.219
Total Cannabinoids	4.111	41.112	38.851	1165.525

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Order #: 75163
Retail Batch #: 010123FCBN
1000mg CBN Blueberry Full Spectrum Tincture

Agricultural Agents

GC-MS/MS **PASS**

Sample Prep

Tech: 2816
SOP: 402
Batch Number: 58006
Batch Date: 01/16/2023 14:05:41

Sample Analysis

Date/Time: 01/17/2023 15:59:09
Tech: 2816
SOP: 402
Final Weight: 0.5084 g
Volume: 10 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL (ppm)	RESULTS (ppm)
Captan	0.07/0.1	1	3	ND
Chlordane	0.01/0.1	1	0.1	ND
Chlorfenapyr	0.01/0.1	1	0.1	ND
Coumaphos	0.01/0.1	1	0.1	ND
Cyfluthrin	0.01/0.1	1	1	ND
Cypermethrin	0.01/0.1	1	1	ND
Methyl parathion	0.01/0.1	1	0.1	ND
Pentachloronitrobenzene	0.01/0.1	1	0.2	ND

MYCOTOXIN ANALYSIS

LC-MS/MS **PASS**

Sample Prep

Tech: 4090
SOP: 432
Batch Number: 57989
Batch Date: 01/13/2023 19:28:35

Sample Analysis

Date/Time: 01/17/2023 15:24:37
Tech: 3445
SOP: 424
Final Weight: 0.5037 g
Volume: 5 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LEVEL (ppb)	RESULTS (ppb)
Aflatoxin B1	2/10	2	20	ND
Aflatoxin B2	2/10	2	20	ND
Aflatoxin G1	2/10	2	20	ND
Aflatoxin G2	2/5	2	20	ND
Ochratoxin A	2/10	2	20	ND

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SunFlora Inc.
Order #: 75163
Retail Batch #: 010123FCBN
1000mg CBN Blueberry Full Spectrum Tincture

CERTIFICATE OF ANALYSIS

ISO/IEC: 17025:2017 Accreditation #: 103104
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Agricultural Agents

LC-MS/MS **PASS**

Sample Prep

Tech: 4090
SOP: 432
Batch Number: 57989
Batch Date: 01/13/2023 19:28:35

Sample Analysis

Date/Time: 01/17/2023 15:24:37
Tech: 3445
SOP: 424
Final Weight: 0.5037 g
Volume: 5 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL(ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)
Abamectin B1a	0.002/0.035	2	0.3	ND	Imazalil	0.002/0.01	2	0.1	ND
Acephate	0.002/0.04	2	3	ND	Imidacloprid	0.002/0.002	2	3	ND
Acequinocyl	0.002/0.002	2	2	ND	Kresoxim-methyl	0.002/0.002	2	1	ND
Acetamiprid	0.002/0.002	2	3	ND	Malathion	0.01/0.04	2	2	ND
Aldicarb	0.002/0.01	2	0.1	ND	Metalaxyl	0.002/0.004	2	3	ND
Azoxystrobin	0.002/0.04	2	3	ND	Methiocarb	0.002/0.01	2	0.1	ND
Bifenazate	0.002/0.002	2	3	ND	Methomyl	0.002/0.002	2	0.1	ND
Bifenthrin	0.002/0.002	2	0.5	ND	Mevinphos	0.009/0.036	2	0.1	ND
Boscalid	0.01/0.05	2	3	ND	Myclobutanil	0.002/0.04	2	3	ND
Carbaryl	0.002/0.004	2	0.5	ND	Naled	0.002/0.01	2	0.5	ND
Carbofuran	0.002/0.01	2	0.1	ND	Oxamyl	0.002/0.002	2	0.5	ND
Chlorantraniliprole	0.002/0.01	2	3	ND	Paclobutrazol	0.002/0.004	2	0.1	ND
Chlormequat chloride	0.002/0.004	2	3	ND	Permethrins	0.002/0.01	2	1	ND
Chlorpyrifos	0.002/0.01	2	0.1	ND	Phosmet	0.002/0.002	2	0.2	ND
Clofentezine	0.002/0.002	2	0.5	ND	Piperonyl Butoxide	0.002/0.002	2	3	ND
Daminozide	0.01/0.04	2	0.1	ND	Prallethrin	0.002/0.01	2	0.4	ND
Diazinon	0.002/0.01	2	0.2	ND	Propiconazole	0.002/0.04	2	1	ND
Dichlorvos	0.002/0.04	2	0.1	ND	Propoxur	0.002/0.01	2	0.1	ND
Dimethoate	0.002/0.002	2	0.1	ND	Pyrethrins	0.001/0.013	2	1	ND
Dimethomorph	0.001/0.002	2	3	ND	Pyridaben	0.002/0.002	2	3	ND
Ethoprophos	0.002/0.01	2	0.1	ND	Spinetoram	0.001/0.003	2	3	ND
Etofenprox	0.002/0.002	2	0.1	ND	Spinosad	0.001/0.001	2	3	ND
Etoxazole	0.002/0.002	2	1.5	ND	Spiromesifen	0.002/0.002	2	3	ND
Fenhexamid	0.01/0.04	2	3	ND	Spirotetramat	0.002/0.01	2	3	ND
Fenoxycarb	0.002/0.004	2	0.1	ND	Spiroxamine	0.002/0.04	2	0.1	ND
Fenpyroximate	0.002/0.002	2	2	ND	Tebuconazole	0.01/0.04	2	1	ND
Fipronil	0.002/0.004	2	0.1	ND	Thiacloprid	0.002/0.002	2	0.1	ND
Flonicamid	0.002/0.01	2	2	ND	Thiamethoxam	0.002/0.01	2	1	ND
Fludioxonil	0.002/0.004	2	3	ND	Trifloxystrobin	0.002/0.002	2	3	ND
Hexythiazox	0.002/0.004	2	2	ND					

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RESIDUAL SOLVENTS

HS-GC-MS **PASS**

Sample Prep

Tech: 2816
SOP: 405
Batch Number: 58012
Batch Date: 01/16/2023 18:28:02

Sample Analysis

Date/Time: 01/17/2023 17:58:03
Tech: 2816
SOP: 405
Final Weight: 0.049 g
Volume: 1 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)
1,1-Dichloroethene	0.6/0.63	1	8	ND	Heptane	6/140	1	5000	ND
1,2-Dichloroethane	0.012/0.12	1	2	ND	Hexanes	0.06/18	1	250	ND
Acetone	9/140	1	750	ND	Isopropyl alcohol	3/140	1	500	ND
Acetonitrile	0.72/25	1	60	ND	Methanol	6/100	1	250	ND
Benzene	0.06/1	1	1	ND	Methylene chloride	1.5/1.5	1	125	ND
Butane	48/50	1	5000	ND	Pentane	9/140	1	750	ND
Chloroform	0.2/1	1	2	ND	Propane	30/30	1	5000	ND
Ethanol	12/140	1	5000	ND	Toluene	0.9/53	1	150	ND
Ethyl acetate	2.4/140	1	400	<LOQ	Total xylenes	1.8/130	1	150	ND
Ethyl ether	6/140	1	500	ND	Trichloroethylene	0.3/1	1	25	ND
Ethylene oxide	0.6/2	1	5	ND					

HEAVY METAL ANALYSIS

ICP-MS **PASS**

Sample Prep

Tech: 3975
SOP: 428
Batch Number: 58007
Batch Date: 01/16/2023 14:33:15

Sample Analysis

Date/Time: 01/16/2023 23:15:25
Tech: 3381
SOP: 428
Final Weight: 0.2019 g
Volume: 60 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LIMIT (ppb)	RESULTS (ppb)
Arsenic	20/75	1	1500	ND
Cadmium	20/75	1	500	ND
Lead	20/75	1	500	ND
Mercury	20/75	1	3000	ND

FILTH & FOREIGN MATERIAL ANALYSIS

Result: PASS

Sample Prep and Analysis

Date/Time: 01/16/2023 15:10:26
Tech: 4090
SOP: 409
Final Weight: 20.2 g

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1000mg CBN Blueberry Full Spectrum Tincture

MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 3358
SOP: 406

Batch Number: 58004
Batch Date: 01/16/2023 13:55:53

Sample Analysis

Date/Time: 01/17/2023 16:52:58
Tech: 3571
SOP: 406

Final Weight: 1.0016 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total enterobacteriaceae	qPCR	NA	NOT DETECTED	PASS

Sample Prep

Tech: 3975
SOP: 406

Batch Number: 58004
Batch Date: 01/16/2023 13:55:53

Sample Analysis

Date/Time: 01/17/2023 16:52:58
Tech: 3571
SOP: 406

Final Weight: 1.0016 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total aerobic count	qPCR	NA	NOT DETECTED	PASS

Sample Prep

Tech: 3975
SOP: 406

Batch Number: 58004
Batch Date: 01/16/2023 13:55:53

Sample Analysis

Date/Time: 01/17/2023 16:52:58
Tech: 3571
SOP: 406

Final Weight: 1.0016 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total yeast and mold	qPCR	NA	NOT DETECTED	PASS

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1000mg CBN Blueberry Full Spectrum Tincture

MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 3975
SOP: 406

Batch Number: 58004
Batch Date: 01/16/2023 13:55:53

Sample Analysis

Date/Time: 01/17/2023 16:52:58
Tech: 3571
SOP: 406

Final Weight: 1.0016 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total coliforms	qPCR	NA	NOT DETECTED	PASS

Sample Prep

Tech: 3975
SOP: 406

Batch Number: 58003
Batch Date: 01/16/2023 13:55:08

Sample Analysis

Date/Time: 01/18/2023 19:18:32
Tech: 3571
SOP: 406

Final Weight: 1.006 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Aspergillus flavus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus fumigatus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus niger	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus terreus	qPCR	< 1 CFU/g	NOT DETECTED	PASS

Sample Prep

Tech: 3975
SOP: 406

Batch Number: 58003
Batch Date: 01/16/2023 13:55:08

Sample Analysis

Date/Time: 01/18/2023 19:18:32
Tech: 3571
SOP: 406

Final Weight: 1.006 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Salmonella	qPCR	< 1 CFU/g	NOT DETECTED	PASS
STEC e. coli	qPCR	< 1 CFU/g	NOT DETECTED	PASS

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Order #: 75163
Retail Batch #:
010123FCBN
1000mg CBN
Blueberry Full
Spectrum Tincture

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WATER ACTIVITY

Water Activity Meter
Water: 0.423 Aw

Sample Prep and Analysis

Date/Time: 01/16/2023 22:39:26
Tech: 4090
SOP: 407
Final Weight: 1.0498 g

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