



SunFlora Inc.
 Order #: 84310
 Retail Batch #:
 3000mg Blueberry
 Full Spec Tincture
 (102023FSTC)

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

Order Information

Order #: 84310
 Order Name: 3000mg Blueberry Full Spec
 Tincture (102023FSTC)
 Retail Batch #: 3000mg Blueberry Full Spec
 Tincture (102023FSTC)
 Received: 11/02/2023 13:11:01
 Complete: 11/10/2023 18:19:11

Batch Information

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

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



0.2763 %
 Total THC

10.6707 %
 Total CBD

11.8717 %
 Total Cannabinoids

Diana Asensio, M.S.

Lab Director



ACT Laboratories Florida
 4001 SW 47th Avenue, Suite 208
 Davie, FL 33314
 (954) 514-9343





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Sample Prep

Tech: 3393
 SOP: 418
 Batch Number: 61768
 Batch Date: 11/02/2023 13:59:36

Sample Analysis

Date/Time: 11/07/2023 09:54:04
 Tech: 1012
 SOP: 417
 Final Weight: 0.2109 g
 Volume: 40 ml

CANNABINOID PROFILE

HPLC-DAD

0.2763 % Total THC	2.611 mg THC Per Unit	78.331 mg THC Per Pkg
10.6707 % Total CBD	100.838 mg CBD Per Unit	3025.143 mg CBD Per Pkg
11.8717 % Total Cannabinoids	112.189 mg Cannabinoids Per Unit	3365.627 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	0.5310	5.310	5.018	150.538	--	--
CBD	0.064/0.1954	1	10.6136	106.136	100.299	3008.956	3000	0.3
CBDA	0.064/0.1954	1	0.0651	0.651	0.615	18.456	--	--
CBDV	0.064/0.1954	1	0.0894	0.894	0.845	25.345	--	--
CBG	0.064/0.1954	1	0.0736	0.736	0.696	20.866	--	--
CBGA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	1	0.0364	0.364	0.344	10.319	--	--
d8-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	1	0.2763	2.763	2.611	78.331	--	--
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	0.0263	0.263	0.249	7.456	--	--
CBL	0.064/0.1954	1	0.0205	0.205	0.194	5.812	--	--
CBT	0.064/0.1954	1	0.1395	1.395	1.318	39.548	--	--
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)
 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	0.2763	2.763	2.611	78.331
Total CBD	10.6707	106.707	100.838	3025.143
Total Cannabinoids	11.8717	118.717	112.189	3365.627

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Agricultural Agents

GC-MS/MS

PASS

Sample Prep

Tech: 3393
 SOP: 402
 Batch Number: 61798
 Batch Date: 11/07/2023 16:06:56

Sample Analysis

Date/Time: 11/08/2023 16:42:14
 Tech: 2816
 SOP: 402
 Final Weight: 0.5203 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: 3393
 SOP: 432
 Batch Number: 61799
 Batch Date: 11/07/2023 16:07:11

Sample Analysis

Date/Time: 11/10/2023 18:07:12
 Tech: 3445
 SOP: 424
 Final Weight: 0.1098 g
 Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LEVEL (ppb)	RESULTS (ppb)
Aflatoxin B1	2/10	1	20	ND
Aflatoxin B2	2/10	1	20	ND
Aflatoxin G1	2/10	1	20	ND
Aflatoxin G2	2/5	1	20	ND
Ochratoxin A	2/10	1	20	ND

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Agricultural Agents

LC-MS/MS

PASS

Sample Prep

Tech: 3393
 SOP: 432
 Batch Number: 61799
 Batch Date: 11/07/2023 16:07:11

Sample Analysis

Date/Time: 11/10/2023 18:07:12
 Tech: 3445
 SOP: 424
 Final Weight: 0.1098 g
 Volume: 2.5 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	1	0.3	ND	Imazalil	0.002/0.01	1	0.1	ND
Acephate	0.002/0.04	1	3	ND	Imidacloprid	0.002/0.002	1	3	ND
Acequinocyl	0.002/0.002	1	2	ND	Kresoxim-methyl	0.002/0.002	1	1	ND
Acetamiprid	0.002/0.002	1	3	ND	Malathion	0.01/0.04	1	2	ND
Aldicarb	0.002/0.01	1	0.1	ND	Metalaxyl	0.002/0.004	1	3	ND
Azoxystrobin	0.002/0.04	1	3	ND	Methiocarb	0.002/0.01	1	0.1	ND
Bifenazate	0.002/0.002	1	3	ND	Methomyl	0.002/0.002	1	0.1	ND
Bifenthrin	0.002/0.002	1	0.5	ND	Mevinphos	0.009/0.036	1	0.1	ND
Boscalid	0.01/0.05	1	3	ND	Myclobutanil	0.002/0.04	1	3	ND
Carbaryl	0.002/0.004	1	0.5	ND	Naled	0.002/0.01	1	0.5	ND
Carbofuran	0.002/0.01	1	0.1	ND	Oxamyl	0.002/0.002	1	0.5	ND
Chlorantraniliprole	0.002/0.01	1	3	ND	Paclobutrazol	0.002/0.004	1	0.1	ND
Chlormequat chloride	0.002/0.004	1	3	ND	Permethrins	0.002/0.01	1	1	ND
Chlorpyrifos	0.002/0.01	1	0.1	ND	Phosmet	0.002/0.002	1	0.2	ND
Clofentezine	0.002/0.002	1	0.5	ND	Piperonyl Butoxide	0.002/0.002	1	3	0.004
Daminozide	0.01/0.04	1	0.1	ND	Prallethrin	0.002/0.01	1	0.4	ND
Diazinon	0.002/0.01	1	0.2	ND	Propiconazole	0.002/0.04	1	1	ND
Dichlorvos	0.002/0.04	1	0.1	ND	Propoxur	0.002/0.01	1	0.1	ND
Dimethoate	0.002/0.002	1	0.1	ND	Pyrethrins	0.001/0.013	1	1	ND
Dimethomorph	0.001/0.002	1	3	ND	Pyridaben	0.002/0.002	1	3	ND
Ethoprophos	0.002/0.01	1	0.1	ND	Spinetoram	0.001/0.003	1	3	ND
Etofenprox	0.002/0.002	1	0.1	ND	Spinosad	0.001/0.001	1	3	ND
Etoxazole	0.002/0.002	1	1.5	ND	Spiromesifen	0.002/0.002	1	3	ND
Fenhexamid	0.01/0.04	1	3	ND	Spirotetramat	0.002/0.01	1	3	ND
Fenoxycarb	0.002/0.004	1	0.1	ND	Spiroxamine	0.002/0.04	1	0.1	ND
Fenpyroximate	0.002/0.002	1	2	ND	Tebuconazole	0.01/0.04	1	1	ND
Fipronil	0.002/0.004	1	0.1	ND	Thiacloprid	0.002/0.002	1	0.1	ND
Fonicamid	0.002/0.01	1	2	ND	Thiamethoxam	0.002/0.01	1	1	ND
Fludioxonil	0.002/0.004	1	3	ND	Trifloxystrobin	0.002/0.002	1	3	ND
Hexythiazox	0.002/0.004	1	2	ND					

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TERPENES TOTAL
 GC-FID
TESTED (0.587 %)

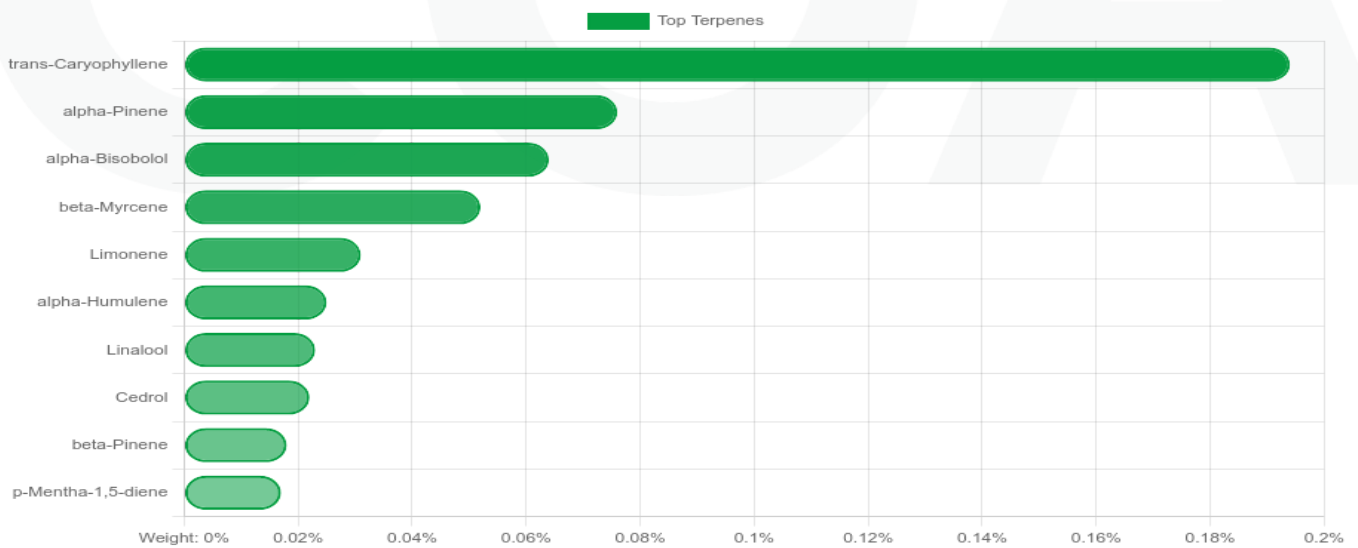
Sample Prep

Tech: 3393
 SOP: 421
 Batch Number: 61797
 Batch Date: 11/07/2023 16:06:38

Sample Analysis

Date/Time: 11/08/2023 14:24:09
 Tech: 2816
 SOP: 419
 Final Weight: 0.428 g
 Volume: 10 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	0.016	Geraniol	0.001/0.003	1	0.007
alpha-Bisobolol	0.001/0.003	1	0.064	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	0.013
alpha-Humulene	0.001/0.003	1	0.025	Hexahydrothymol	0.001/0.003	1	ND
alpha-Pinene	0.001/0.003	1	0.076	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	ND	Isopulegol	0.001/0.003	1	ND
beta-Myrcene	0.001/0.003	1	0.052	Limonene	0.001/0.003	1	0.031
beta-Pinene	0.001/0.003	1	0.018	Linalool	0.001/0.003	1	0.023
Borneol	0.001/0.003	1	ND	Nerol	0.001/0.003	1	0.004
Camphene	0.001/0.003	1	ND	p-Mentha-1,5-diene	0.001/0.003	1	0.017
Camphor	0.001/0.003	1	ND	Pulegone	0.001/0.003	1	ND
Caryophyllene oxide	0.001/0.003	1	0.012	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	0.022	Terpineol	0.001/0.003	1	ND
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	<LOQ
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	0.194
Eucalyptol	0.001/0.003	1	ND	trans-Nerolidol	0.001/0.003	1	0.005
Fenchone	0.001/0.003	1	ND	trans-Ocimene	0.001/0.003	1	0.008
Fenchyl alcohol	0.001/0.003	1	ND	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	<LOQ				



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RESIDUAL SOLVENTS

HS-GC-MS

PASS

Sample Prep

Tech: 2816
 SOP: 405
 Batch Number: 61801
 Batch Date: 11/07/2023 18:19:11

Sample Analysis

Date/Time: 11/09/2023 16:23:18
 Tech: 3445
 SOP: 405
 Final Weight: 0.0474 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	<LOQ	Methanol	6/100	1	250	<LOQ
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: 3396
 SOP: 428
 Batch Number: 61802
 Batch Date: 11/08/2023 09:59:45

Sample Analysis

Date/Time: 11/08/2023 14:40:20
 Tech: 3396
 SOP: 428
 Final Weight: 0.2213 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: 11/10/2023 14:26:41
 Tech: 3393
 SOP: 409
 Final Weight: 20.2048 g

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 3393
 SOP: 406

Batch Number: 61795
 Batch Date: 11/07/2023 16:06:09

Sample Analysis

Date/Time: 11/08/2023 22:23:35
 Tech: 3571
 SOP: 406

Final Weight: 1.0167 g

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

Sample Prep

Tech: 3358
 SOP: 406

Batch Number: 61796
 Batch Date: 11/07/2023 16:06:24

Sample Analysis

Date/Time: 11/09/2023 18:19:51
 Tech: 3571
 SOP: 406

Final Weight: 1.0257 g

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

Sample Prep

Tech: 3393
 SOP: 406

Batch Number: 61796
 Batch Date: 11/07/2023 16:06:24

Sample Analysis

Date/Time: 11/09/2023 15:56:58
 Tech: 3358
 SOP: 406

Final Weight: 1.0257 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

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 3393
 SOP: 406

Batch Number: 61796
 Batch Date: 11/07/2023 16:06:24

Sample Analysis

Date/Time: 11/09/2023 15:56:58
 Tech: 3358
 SOP: 406

Final Weight: 1.0257 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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WATER ACTIVITY

Water Activity Meter
Water: 0.453 Aw

Sample Prep and Analysis

Date/Time: 11/10/2023 14:26:41
Tech: 3393
SOP: 407
Final Weight: 1.0061 g

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