



SunFlora Inc.  
 Order #: 82301  
 Retail Batch #:  
 1800mg Full  
 Spectrum Water  
 Soluble  
 (080123FSWS)

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

### Order Information

Order #: 82301  
 Order Name: 1800mg Full Spectrum Water  
 Soluble (080123FSWS)  
 Retail Batch #: 1800mg Full Spectrum Water  
 Soluble (080123FSWS)  
 Received: 08/23/2023 14:57:31  
 Complete: 09/18/2023 12:00:42

### Batch Information

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

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



**0.1903 %**  
 Total THC

**5.2943 %**  
 Total CBD

**5.8460 %**  
 Total Cannabinoids

**Diana Asensio, M.S.**

Lab Director



**ACT Laboratories Florida**  
 4001 SW 47th Avenue, Suite 208  
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### Sample Prep

Tech: 3393  
 SOP: 418  
 Batch Number: 61130  
 Batch Date: 08/23/2023 11:30:33

### Sample Analysis

Date/Time: 08/25/2023 13:27:48  
 Tech: 1012  
 SOP: 417  
 Final Weight: 0.2056 g  
 Volume: 40 ml

### CANNABINOID PROFILE

HPLC-DAD

<b>0.1903 %</b> Total THC	<b>2.207 mg</b> THC Per Unit	<b>66.224 mg</b> THC Per Pkg
<b>5.2943 %</b> Total CBD	<b>61.414 mg</b> CBD Per Unit	<b>1842.416 mg</b> CBD Per Pkg
<b>5.8460 %</b> Total Cannabinoids	<b>67.812 mg</b> Cannabinoids Per Unit	<b>2034.407 mg</b> 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	0.1471	1.471	1.706	51.191	--	--
CBD	0.064/0.1954	1	5.2943	52.943	61.414	1842.416	1800	2.4
CBDA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBDV	0.064/0.1954	1	0.0359	0.359	0.416	12.493	--	--
CBG	0.064/0.1954	1	0.0625	0.625	0.725	21.750	--	--
CBGA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	1	0.0239	0.239	0.277	8.317	--	--
d8-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	1	0.1903	1.903	2.207	66.224	--	--
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	<LOQ	<LOQ	<LOQ	<LOQ	--	--
CBT	0.064/0.1954	1	0.0920	0.920	1.067	32.016	--	--
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 1.16 (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	0.1903	1.903	2.207	66.224
Total CBD	5.2943	52.943	61.414	1842.416
Total Cannabinoids	5.8460	58.460	67.812	2034.407

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### Agricultural Agents

GC-MS/MS

**PASS**

#### Sample Prep

Tech: 3393  
 SOP: 402  
 Batch Number: 61151  
 Batch Date: 08/24/2023 13:10:17

#### Sample Analysis

Date/Time: 08/29/2023 10:39:03  
 Tech: 2816  
 SOP: 402  
 Final Weight: 0.508 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: 61152  
 Batch Date: 08/24/2023 13:10:28

#### Sample Analysis

Date/Time: 08/29/2023 13:13:38  
 Tech: 3445  
 SOP: 424  
 Final Weight: 0.1086 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: 61152  
 Batch Date: 08/24/2023 13:10:28

**Sample Analysis**

Date/Time: 08/29/2023 13:13:38  
 Tech: 3445  
 SOP: 424  
 Final Weight: 0.1086 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	0.007	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	ND
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 (2.019 %)**

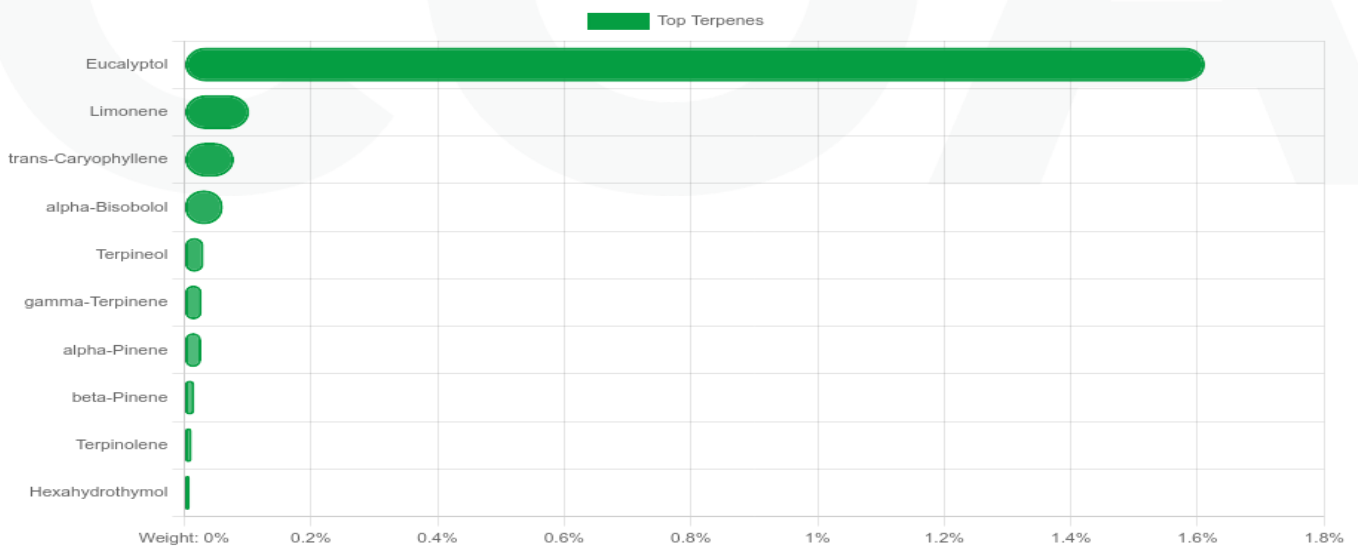
**Sample Prep**

Tech: 3393  
 SOP: 421  
 Batch Number: 61155  
 Batch Date: 08/24/2023 14:26:08

**Sample Analysis**

Date/Time: 08/29/2023 10:56:13  
 Tech: 2816  
 SOP: 419  
 Final Weight: 0.401 g  
 Volume: 10 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	0.006	Geraniol	0.001/0.003	1	ND
alpha-Bisobolol	0.001/0.003	1	0.061	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	0.003
alpha-Humulene	0.001/0.003	1	0.009	Hexahydrothymol	0.001/0.003	1	0.009
alpha-Pinene	0.001/0.003	1	0.027	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	0.007	Isopulegol	0.001/0.003	1	<LOQ
beta-Myrcene	0.001/0.003	1	0.007	Limonene	0.001/0.003	1	0.103
beta-Pinene	0.001/0.003	1	0.016	Linalool	0.001/0.003	1	<LOQ
Borneol	0.001/0.003	1	ND	Nerol	0.001/0.003	1	ND
Camphene	0.001/0.003	1	ND	p-Mentha-1,5-diene	0.001/0.003	1	0.004
Camphor	0.001/0.003	1	ND	Pulegone	0.001/0.003	1	ND
Caryophyllene oxide	0.001/0.003	1	0.005	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	ND	Terpineol	0.001/0.003	1	0.031
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	0.012
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	0.079
Eucalyptol	0.001/0.003	1	1.612	trans-Nerolidol	0.001/0.003	1	<LOQ
Fenchone	0.001/0.003	1	ND	trans-Ocimene	0.001/0.003	1	ND
Fenchyl alcohol	0.001/0.003	1	<LOQ	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	0.028				



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### RESIDUAL SOLVENTS

HS-GC-MS

**PASS**

#### Sample Prep

Tech: 2816  
 SOP: 405  
 Batch Number: 61170  
 Batch Date: 08/25/2023 18:46:04

#### Sample Analysis

Date/Time: 08/29/2023 10:31:30  
 Tech: 2816  
 SOP: 405  
 Final Weight: 0.0493 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	<LOQ	Methanol	6/100	1	250	<LOQ
Acetonitrile	0.72/25	1	60	ND	Methylene chloride	1.5/1.5	1	125	ND
Benzene	0.06/1	1	1	ND	Pentane	9/140	1	750	ND
Butane	48/50	1	5000	ND	Propane	30/30	1	5000	ND
Chloroform	0.2/1	1	2	ND	Toluene	0.9/53	1	150	ND
Ethyl acetate	2.4/140	1	400	ND	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: 61180  
 Batch Date: 08/28/2023 11:47:33

#### Sample Analysis

Date/Time: 08/28/2023 15:25:06  
 Tech: 3396  
 SOP: 428  
 Final Weight: 0.2361 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	<LOQ
Mercury	20/75	1	3000	ND

### FILTH & FOREIGN MATERIAL ANALYSIS

Result: **PASS**

#### Sample Prep and Analysis

Date/Time: 08/25/2023 15:17:46  
 Tech: 4090  
 SOP: 409  
 Final Weight: 48.7728 g

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**MICROBIAL ANALYSIS**

**PASS**

**Sample Prep**

Tech: 3393  
 SOP: 406

Batch Number: 61162  
 Batch Date: 08/25/2023 13:16:15

Date/Time: 08/27/2023 15:55:34  
 Tech: 3571  
 SOP: 406

Final Weight: 1.0232 g

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

**Sample Analysis**

**Sample Prep**

Tech: 3393  
 SOP: 406

Batch Number: 61163  
 Batch Date: 08/25/2023 13:16:55

Date/Time: 08/28/2023 16:12:05  
 Tech: 3358  
 SOP: 406

Final Weight: 1.0131 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 Analysis**

**Sample Prep**

Tech: 3393  
 SOP: 406

Batch Number: 61163  
 Batch Date: 08/25/2023 13:16:55

Date/Time: 08/28/2023 16:12:05  
 Tech: 3358  
 SOP: 406

Final Weight: 1.0131 g

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

**Sample Analysis**

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**MICROBIAL ANALYSIS**

**PASS**

**Sample Prep**

Tech: 3393  
 SOP: 406

Batch Number: 61163  
 Batch Date: 08/25/2023 13:16:55

**Sample Analysis**

Date/Time: 08/28/2023 16:12:05  
 Tech: 3358  
 SOP: 406

Final Weight: 1.0131 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: 0.841 Aw

### Sample Prep and Analysis

Date/Time: 08/25/2023 15:15:54  
Tech: 4090  
SOP: 407  
Final Weight: 1.0249 g

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