

232 North Plaza Drive Nicholasville, KY 40356 +1-833-KCA-LABS https://kcalabs.com KDA Lic.# P\_0058

#### **Certificate of Analysis**

1 of 8

### Natural FS 3000mg

Sample ID: SA-08262021-3589 Batch: 082321FSTC Type: Finished Materials Matrix: Oil / Liquid - Emulsion

Received: 08/26/2021 Completed: 09/28/2021 Client

SunFlora Inc. 600 8th Ave W, STE 400 Palmetto, FL 34221



### Summary

Test Cannabinoids Foreign Matter Heavy Metals Microbials Mycotoxins Pesticides Residual Solvents Terpenes

**Date Tested** 09/08/2021 09/21/2021 09/22/2021 09/21/2021 09/27/2021 09/27/2021 09/21/2021 09/28/2021

Status Tested Not Detected Tested Tested Tested Tested Tested Tested

# Cannabinoids by HPLC-PDA

0.253 % Total ∆9-THC

10.1 % Total CBD

11.1 % Total Cannabinoids

**Not Tested** Moisture Content

**Not Detected** Foreign Matter

Internal Marker Recovered

Yes

						Recovered
Analyte	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (%)		
CBC	0.00095	0.00284	4.10	0.431	mAU	SA-08262021-3589
CBCA	0.00181	0.00543	ND	ND	111/10	
CBCV	0.0006	0.0018	0.068	0.00715	1500	Q
CBD	0.00081	0.00242	95.8	10.1		
CBDA	0.00043	0.0013	0.840	0.0883	4050	
CBDV	0.00061	0.00182	0.812	0.0853	1250-	
CBDVA	0.00021	0.00063	ND	ND		
CBG	0.00057	0.00172	0.737	0.0774	1000	
CBGA	0.00049	0.00147	ND	ND	K   :	
CBL	0.00112	0.00335	0.200	0.021	750	D <sub>B</sub> C
CBLA	0.00124	0.00371	ND	ND		Ĭ
CBN	0.00056	0.00169	0.255	0.0268	F00	· · · · · · · · · · · · · · · · · · ·
CBNA	0.0006	0.00181	ND	ND	500-	Standard
Δ8-ΤΗС	0.00104	0.00312	ND	ND		CBDA CBDA
Δ9-ΤΗС	0.00076	0.00227	2.41	0.253	250	intern
Δ9-ΤΗСΑ	0.00084	0.00251	ND	ND	:	
Δ9-ΤΗCV	0.00069	0.00206	ND	ND	0-	
Δ9-ΤΗСVΑ	0.00062	0.00186	ND	ND		1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Total Δ9-THC			2.41	0.253		2.5 5.0 7.5 10.0 mir
Total CBD			96.6	10.1		
Total			105.0	11.1		

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD;











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## Natural FS 3000mg

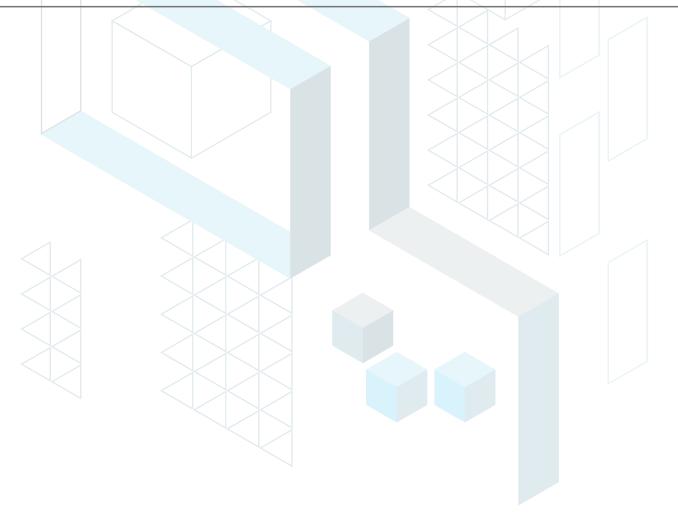
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USA

### **Heavy Metals by ICP-MS**

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	ND
Mercury	12	50	ND









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## Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acequinocyl	30	100	ND	Imazalil	30	100	ND
Acetamiprid	30	100	ND	Imidacloprid	30	100	ND
Aldicarb	30	100	ND	Kresoxim methyl	30	100	ND
Azoxystrobin	30	100	ND	Malathion	30	100	ND
Bifenazate	30	100	ND	Metalaxyl	30	100	ND
Bifenthrin	30	100	ND	Methiocarb	30	100	ND
Boscalid	30	100	ND	Methomyl	30	100	ND
Carbaryl	30	100	ND	Mevinphos	30	100	ND
Carbofuran	30	100	ND	Myclobutanil	30	100	ND
Chloranthranili prole	30	100	ND	Naled	30	100	ND
Chlorfenapyr	30	100	ND	Oxamyl	30	100	ND
Chlorpyrifos	30	100	ND	Paclobutrazol	30	100	ND
Clofentezine	30	100	ND	Phosmet	30	100	ND
Coumaphos	30	100	ND	Piperonyl Butoxide	30	100	ND
Daminozide	30	100	ND	Prallethrin	30	100	ND
Diazinon	30	100	ND	Propiconazole	30	100	ND
Dichlorvos	30	100	ND	Propoxur	30	100	ND
Dimethoate	30	100	ND	Pyrethrins	30	100	ND
Dimethomorph	30	100	ND	Pyridaben	30	100	ND
Ethoprophos	30	100	ND	Spinetoram	30	100	ND
Etofenprox	30	100	ND	Spinosad	30	100	ND
Etoxazole	30	100	ND	Spiromesifen	30	100	ND
Fenhexamid	30	100	ND	Spirotetramat	30	100	ND
Fenoxycarb	30	100	ND	Spiroxamine	30	100	ND
Fenpyroximate	30	100	ND	Tebuconazole	30	100	ND
Flonicamid	30	100	ND	Thiacloprid	30	100	ND
				Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND







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Palmetto, FL 34221

# Microbials by qPCR and/or Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Coliforms	1	ND	
Aerobic Bacteria	1	ND	
Salmonella			Not Detected per 1 gram
Total Enterobacteriaceae			Not Detected per 1 gram









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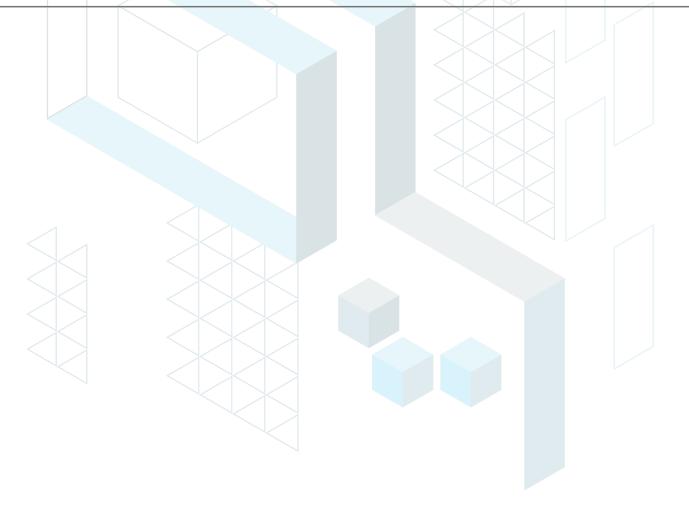
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USA

## Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND









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#### Client

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### Residual Solvents by HS-GC-MS/MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	100	300	ND
Cyclohexane	130	388	ND	2-Methylbutane	167	500	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethylene Glycol	21	62	ND				







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### Terpenes by HS-GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
α-Bisabolol	0.00001	0.00005	0.001	Limonene	0.00001	0.00001	0.022852
(+)-Borneol	0.00001	0.00005	ND	Linalool	0.00001	0.00001	0.000206
Camphene	0.00001	0.00005	0.000789	β-myrcene	0.00001	0.00001	0.007162
Camphor	0.00001	0.00005	ND	Nerol	0.00001	0.00001	ND
3-Carene	0.00001	0.00005	0.00771	cis-Nerolidol	0.00001	0.00001	ND
β-Caryophyllene	0.00001	0.00005	0.0259	trans-Nerolidol	0.00001	0.00001	0.000115
Caryophyllene Oxide	0.00001	0.00005	0.00095	Ocimene	0.00001	0.00001	ND
<b>α</b> -Cedrene	0.00001	0.00005	ND	<b>α</b> -Phellandrene	0.00001	0.00001	0.001982
Cedrol	0.00001	0.00005	ND	<b>α</b> -Pinene	0.00001	0.00001	0.048557
Eucalyptol	0.00001	0.00005	0.00011	β-Pinene	0.00001	0.00001	0.008928
Fenchone	0.00001	0.00005	ND	Pulegone	0.00001	0.00001	ND
Fenchyl Alcohol	0.00001	0.00005	ND	Sabinene	0.00001	0.00001	0.021819
Geraniol	0.00001	0.00005	ND	Sabinene Hydrate	0.00001	0.00001	ND
Geranyl Acetate	0.00001	0.00005	ND	<b>α</b> -Terpinene	0.00001	0.00001	0.000599
Guaiol	0.00001	0.00005	0.000279	γ-Terpinene	0.00001	0.00001	0.000952
Hexadhydrothymol	0.00001	0.00005	ND	<b>α</b> -Terpineol	0.00001	0.00001	0.000069
lpha-Humulene	0.00001	0.00005	0.000964	γ-Terpineol	0.00001	0.00001	ND
Isoborneol	0.00001	0.00005	ND	Terpinolene	0.00001	0.00001	0.000712
Isopulegol	0.00001	0.00005	ND	Total Terpenes (%)			0.152











Hops







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# **Reporting Limit Appendix**

#### **Heavy Metals -**

Analyte	Limit	(ppb) Analyte	Limit (ppb)
Arsenic	20	00 Lead	500
Cadmium	20	00 Mercury	100

#### Microbials -

Analyte	Lin	nit (CFI	U/g) Analyte	Limit (CFU/g)
Coliforms		1	Aerobic Bacteria	1000

#### Residual Solvents - USP 467

Analyte	Limit (ppm)	Analyte	Limit (ppm
Acetone	5000	Ethylene Oxide	1
Acetonitrile	410	Heptane	5000
Benzene	2	n-Hexane	290
Butane	5000	Isobutane	5000
1-Butanol	5000	Isopropyl Acetate	5000
2-Butanol	5000	Isopropyl Alcohol	5000
2-Butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3880	2-Methylbutane	5000
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	100	2-Methylpentane	290
Dimethyl Sulfoxide	5000	3-Methylpentane	290
N,N-Dimethylacetamide	1090	n-Pentane	5000
2,2-Dimethylbutane	290	1-Pentanol	5000
N,N-Dimethylformamide	880	n-Propane	5000
2,2-Dimethylpropane	5000	1-Propanol	5000
1,4-Dioxane	380	Pyridine	200
Ethanol	5000	Tetrahydrofuran	720
2-Ethoxyethanol	160	Toluene	890
Ethyl Acetate	5000	Trichloroethylene	80
Ethyl Ether	5000	Tetramethylene Sulfone	160
Ethylbenzene	70	Xylenes (o-, m-, and p-)	2170
Ethylene Glycol	620		

#### Pesticides - CA BCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Aldicarb	30	Kresoxim methyl	1000
Azoxystrobin	40000	Malathion	5000
Bifenazate	5000	Metalaxyl	15000
Bifenthrin	500	Methiocarb	30
Boscalid	10000	Methomyl	100
Carbaryl	500	Mevinphos	30
Carbofuran	30	Myclobutanil	9000
Chloranthraniliprole	40000	Naled	500
Chlorfenapyr	30	Oxamyl	200
Chlorpyrifos	30	Paclobutrazol	30
Clofentezine	500	Phosmet	200
Coumaphos	30	Piperonyl Butoxide	8000
Daminozide	30	Prallethrin	400
Diazinon	200	Propiconazole	20000
Dichlorvos	30	Propoxur	30
Dimethoate	30	Pyrethrins	1000
Dimethomorph	20000	Pyridaben	3000
Ethoprophos	30	Spinetoram	3000
Etofenprox	30	Spinosad	3000
Etoxazole	1500	Spiromesifen	12000
Fenhexamid	10000	Spirotetramat	13000
Fenoxycarb	30	Spiroxamine	30
Fenpyroximate	2000	Tebuconazole	2000
Flonicamid	2000	Thiacloprid	30

#### Mycotoxins -

Analyte	Limit (ppm) Analyte	Limit (ppm)
B1	20 B2	20
G1	20 G2	20
Ochratoxin A	20	

#### Pesticides - CA BCC

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	300	Hexythiazox	2000
Acequinocyl	4000	Imazalil	30
Acetamiprid	5000	Imidacloprid	3000

