

## WSFS Natural 1200mg

 Sample ID: SA-06282021-2424  
 Batch: 062821FSWS  
 Type: Finished Materials  
 Matrix: Concentrate - Water Soluble

 Received: 06/28/2021  
 Completed: 07/09/2021

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

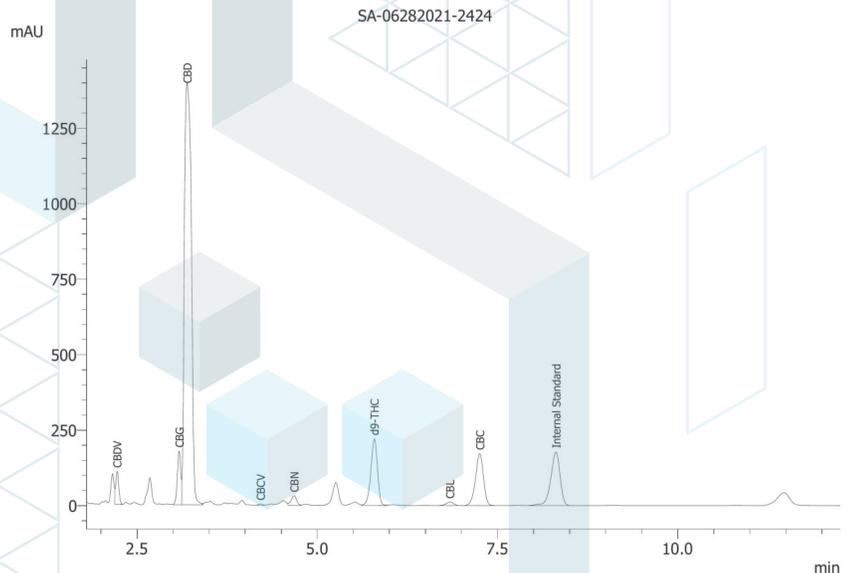

### Summary

Test	Date Tested	Status
Cannabinoids	06/30/2021	Tested
Foreign Matter	07/02/2021	Not Detected
Heavy Metals	07/02/2021	Tested
Microbials	07/06/2021	Tested
Mycotoxins	07/02/2021	Tested
Pesticides	07/02/2021	Tested
Residual Solvents	07/06/2021	Tested
Terpenes	07/09/2021	Tested

### Cannabinoids by HPLC-PDA

<b>0.138 %</b>	<b>3.26 %</b>	<b>3.60 %</b>	<b>Not Tested</b>	<b>Not Detected</b>	<b>Yes</b>
Total Δ9-THC	<b>CBD</b>	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Marker Recovered

Analyte	LOD (%)	LOQ (%)	Result (mg/mL)	Result (%)
CBC	0.00095	0.00284	1.243	0.10889
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	0.015	0.00131
CBD	0.00081	0.00242	37.167	3.25586
CBDA	0.00043	0.0013	ND	ND
CBDV	0.00061	0.00182	0.322	0.02821
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	0.598	0.05239
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	0.074	0.00648
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	0.095	0.00832
CBNA	0.0006	0.00181	ND	ND
Δ8-THC	0.00104	0.00312	ND	ND
Δ9-THC	0.00076	0.00227	1.57	0.13753
Δ9-THCA	0.00084	0.00251	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
<b>Total Δ9-THC</b>			<b>1.57</b>	<b>0.13753</b>
<b>Total CBD</b>			<b>37.167</b>	<b>3.25586</b>
<b>Total</b>			<b>41.084</b>	<b>3.599</b>



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



07/09/2021

This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.


 ISO/IEC 17025:2017 Accredited  
 Accreditation #108651


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## 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	1	5	ND	Hexythiazox	1	5	ND
Acephate	1	5	ND	Imazalil	1	5	ND
Acequinocyl	1	5	ND	Imidacloprid	1	5	ND
Acetamiprid	1	5	ND	Kresoxim methyl	1	5	ND
Aldicarb	1	5	ND	Malathion	1	5	ND
Azoxystrobin	1	5	ND	Metalaxyl	1	5	ND
Bifenazate	1	5	ND	Methiocarb	1	5	ND
Bifenthrin	1	5	ND	Methomyl	1	5	ND
Boscalid	1	5	ND	Mevinphos	1	5	ND
Captan	1	5	ND	MGK-264	1	5	ND
Carbaryl	1	5	ND	Myclobutanil	1	5	ND
Carbofuran	1	5	ND	Naled	1	5	ND
Chloranthraniliprole	1	5	ND	Oxamyl	1	5	ND
Chlordane	1	5	ND	Paclobutrazol	1	5	ND
Chlorfenapyr	1	5	ND	Parathion methyl	1	5	ND
Chlorpyrifos	1	5	ND	Pentachloronitrobenzene	1	5	ND
Clofentezine	1	5	ND	Permethrin	1	5	ND
Coumaphos	1	5	ND	Phosmet	1	5	ND
Cyfluthrin	1	5	ND	Piperonyl Butoxide	1	5	ND
Cypermethrin	1	5	ND	Prallethrin	1	5	ND
Daminozide	1	5	ND	Propiconazole	1	5	ND
Diazinon	1	5	ND	Propoxur	1	5	ND
Dichlorvos	1	5	ND	Pyrethrins	1	5	ND
Dimethoate	1	5	ND	Pyridaben	1	5	ND
Dimethomorph	1	5	ND	Spinetoram	1	5	ND
Ethoprophos	1	5	ND	Spinosad	1	5	ND
Etofenprox	1	5	ND	Spiromesifen	1	5	ND
Etoxazole	1	5	ND	Spirotetramat	1	5	ND
Fenhexamid	1	5	ND	Spiroxamine	1	5	ND
Fenoxycarb	1	5	ND	Tebuconazole	1	5	ND
Fenpyroximate	1	5	ND	Thiacloprid	1	5	ND
Fipronil	1	5	ND	Thiamethoxam	1	5	ND
Fonicamid	1	5	ND	Trifloxystrobin	1	5	ND
Fludioxonil	1	5	ND				

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## Microbials by qPCR and/or Plating

Analyte	LOD	Result (CFU/g)
Aerobic Bacteria	1	ND
E.coli/Coliforms	1	ND
Salmonella	1	ND
Total Enterobacteriaceae	1	ND

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

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	1	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	0.5	1	ND	Heptane	0.5	1	ND
Benzene	0.5	1	ND	n-Hexane	0.5	1	ND
Butane	0.5	1	ND	Isobutane	0.5	1	ND
1-Butanol	0.5	1	ND	Isopropyl Acetate	0.5	1	ND
2-Butanol	0.5	1	ND	Isopropyl Alcohol	0.5	1	<RL
2-Butanone	0.5	1	ND	Isopropylbenzene	0.5	1	ND
Chloroform	0.5	1	ND	Methanol	0.5	1	<RL
Cyclohexane	0.5	1	ND	2-Methylbutane	0.5	1	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	0.5	1	ND
1,2-Dimethoxyethane	0.5	1	ND	2-Methylpentane	0.5	1	ND
Dimethyl Sulfoxide	0.5	1	ND	3-Methylpentane	0.5	1	ND
N,N-Dimethylacetamide	0.5	1	ND	n-Pentane	0.5	1	ND
2,2-Dimethylbutane	0.5	1	ND	1-Pentanol	0.5	1	ND
N,N-Dimethylformamide	0.5	1	ND	n-Propane	0.5	1	ND
2,2-Dimethylpropane	0.5	1	ND	1-Propanol	0.5	1	ND
1,4-Dioxane	0.5	1	ND	Pyridine	0.5	1	ND
Ethanol	0.5	1	<RL	Tetrahydrofuran	0.5	1	ND
2-Ethoxyethanol	0.5	1	ND	Toluene	0.5	1	ND
Ethyl Acetate	0.5	1	ND	Trichloroethylene	0.5	1	ND
Ethyl Ether	0.5	1	ND	Tetramethylene Sulfone	0.5	1	ND
Ethylbenzene	0.5	1	ND	Xylenes (o-, m-, and p-)	0.5	1	ND
Ethylene Glycol	0.5	1	ND				

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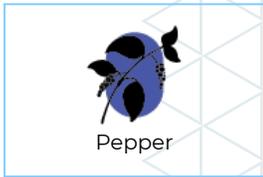
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## Terpenes by HS-GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
α-Bisabolol	0.00001	0.00005	0.00642	Limonene	0.00001	0.00005	0.00672
(+)-Borneol	0.00001	0.00005	ND	Linalool	0.00001	0.00005	0.00019
Camphene	0.00001	0.00005	0.00039	β-myrcene	0.00001	0.00005	0.00299
Camphor	0.00001	0.00005	ND	Nerol	0.00001	0.00005	ND
3-Carene	0.00001	0.00005	0.00394	cis-Nerolidol	0.00001	0.00005	ND
β-Caryophyllene	0.00001	0.00005	0.02302	trans-Nerolidol	0.00001	0.00005	0.00041
Caryophyllene Oxide	0.00001	0.00005	ND	Ocimene	0.00001	0.00005	ND
α-Cedrene	0.00001	0.00005	ND	α-Phellandrene	0.00001	0.00005	0.00117
Cedrol	0.00001	0.00005	ND	α-Pinene	0.00001	0.00005	0.01415
Eucalyptol	0.00001	0.00005	ND	β-Pinene	0.00001	0.00005	0.00249
Fenchone	0.00001	0.00005	ND	Pulegone	0.00001	0.00005	ND
Fenchyl Alcohol	0.00001	0.00005	ND	Sabinene	0.00001	0.00005	0.00008
Geraniol	0.00001	0.00005	ND	Sabinene Hydrate	0.00001	0.00005	ND
Geranyl Acetate	0.00001	0.00005	ND	α-Terpinene	0.00001	0.00005	0.00180
Guaial	0.00001	0.00005	0.00260	γ-Terpinene	0.00001	0.00005	0.00283
Hexahydrothymol	0.00001	0.00005	ND	α-Terpineol	0.00001	0.00005	0.00079
α-Humulene	0.00001	0.00005	0.00410	γ-Terpineol	0.00001	0.00005	ND
Isoborneol	0.00001	0.00005	ND	Terpinolene	0.00001	0.00005	0.00148
Isopulegol	0.00001	0.00005	ND	Valencine	0.00001	0.00005	ND
				<b>Total Terpenes (%)</b>			<b>0.07557</b>

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## Reporting Limit Appendix

### Heavy Metals -

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Arsenic	200	Lead	500
Cadmium	200	Mercury	100

### Microbials -

Analyte	Limit (CFU/g)	Analyte	Limit (CFU/g)
Coliforms	1	Aerobic Bacteria	1000
Bile-Tolerant Gram-Negative Bacteria	1000	E.coli/Coliforms	1
Yeast & Mold	1000	Salmonella	1

### Residual Solvents -

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	500
2-Butanone	5000	Isopropylbenzene	70
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 -

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Acequinocyl	30	Imidacloprid	400
Acetamiprid	50	Kresoxim methyl	100
Aldicarb	100	Malathion	500
Azoxystrobin	100	Metalaxyl	2000
Bifenazate	100	Methiocarb	100
Bifenthrin	500	Methomyl	100
Boscalid	100	Mevinphos	100
Captan	700	MGK-264	200
Carbaryl	25	Myclobutanil	100
Carbofuran	100	Naled	100
Chloranthraniliprole	200	Oxamyl	200
Chlordane	50	Paclobotrazol	100
Chlorfenapyr	100	Parathion methyl	100
Chlorpyrifos	100	Pentachloronitrobenzene	100
Clofentezine	100	Permethrin	500
Coumaphos	100	Phosmet	50
Cyfluthrin	100	Piperonyl Butoxide	3000
Cypermethrin	1000	Prallethrin	100
Daminozide	100	Propiconazole	100
Diazinon	100	Propoxur	100
Dichlorvos	100	Pyrethrins	500
Dimethoate	100	Pyridaben	100
Dimethomorph	2000	Spinetoram	100
Ethoprophos	100	Spinosad	100
Etofenprox	100	Spiromesifen	100
Etoxazole	10	Spirotetramat	100
Fenhexamid	100	Spiroxamine	100
Fenoxycarb	100	Tebuconazole	100
Fenpyroximate	100	Thiacloprid	100
Fipronil	100	Thiamethoxam	5000
Fonicamid	100	Trifloxystrobin	100
Fludioxonil	100		

### Mycotoxins -

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

### Pesticides -

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	100	Hexythiazox	100
Acephate	20	Imazalil	100

