



SunFlora Inc.
 Order #: 84839
 Retail Batch #:
 Neuro FS Natural
 1800mg Water
 Soluble
 (1223FSNRO)

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

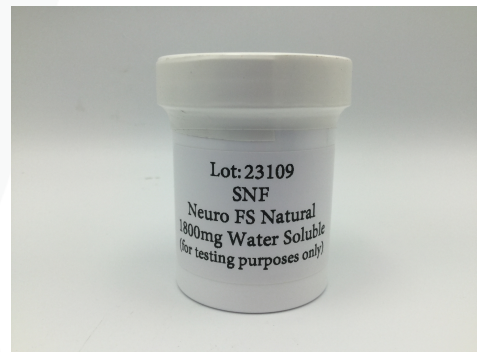
Order Information

Order #: 84839
 Order Name: Neuro FS Natural 1800mg Water Soluble (1223FSNRO)
 Retail Batch #: Neuro FS Natural 1800mg Water Soluble (1223FSNRO)
 Received: 12/27/2023 14:32:27
 Complete: 01/02/2024 11:15:07

Batch Information

Create Date: Total Qty.: 0
 Exp. Date: Matrix: Tincture
 Size: 0 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 TOTAL TESTED	MOISTURE ANALYSIS NOT TESTED	WATER ACTIVITY TESTED
FILTH & FOREIGN MATERIAL ANALYSIS PASS	HOMOGENEITY NOT TESTED	MYCOTOXIN ANALYSIS PASS



0.0643 %
 Total THC

5.2789 %
 Total CBD

5.7968 %
 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: 3445
 SOP: 418
 Batch Number: 62037
 Batch Date: 12/26/2023 14:33:06

Sample Analysis

Date/Time: 01/02/2024 11:10:39
 Tech: 3445
 SOP: 417
 Final Weight: 0.2013 g
 Volume: 40 ml

CANNABINOID PROFILE

HPLC-DAD

0.0643 % Total THC	0.643 mg THC Per Unit	19.282 mg THC Per Pkg
5.2789 % Total CBD	52.768 mg CBD Per Unit	1583.037 mg CBD Per Pkg
5.7968 % Total Cannabinoids	57.945 mg Cannabinoids Per Unit	1738.345 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	0.0440	0.440	0.440	13.195	--	--
CBD	0.064/0.1954	1	5.2789	52.789	52.768	1583.037	--	--
CBDA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBDV	0.064/0.1954	1	0.0312	0.312	0.312	9.356	--	--
CBG	0.064/0.1954	1	0.3784	3.784	3.782	113.475	--	--
CBGA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	1	<LOQ	<LOQ	<LOQ	<LOQ	--	--
d8-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	1	0.0643	0.643	0.643	19.282	--	--
THCA	0.064/0.1954	1	ND	ND	ND	ND	--	--
THCV	0.064/0.1954	1	ND	ND	ND	ND	--	--

mg/unit = 1 (g) per unit x 0.9996 (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	0.0643	0.643	0.643	19.282
Total CBD	5.2789	52.789	52.768	1583.037
Total Cannabinoids	5.7968	57.968	57.945	1738.345

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Agricultural Agents

GC-MS/MS

PASS

Sample Prep

Tech: 4090
 SOP: 402
 Batch Number: 62045
 Batch Date: 12/27/2023 14:57:12

Sample Analysis

Date/Time: 01/02/2024 09:43:35
 Tech: 2816
 SOP: 402
 Final Weight: 0.5241 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: 62044
 Batch Date: 12/27/2023 14:56:48

Sample Analysis

Date/Time: 01/02/2024 09:36:00
 Tech: 3445
 SOP: 424
 Final Weight: 0.1042 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: 4090
 SOP: 432
 Batch Number: 62044
 Batch Date: 12/27/2023 14:56:48

Sample Analysis

Date/Time: 01/02/2024 09:36:00
 Tech: 3445
 SOP: 424
 Final Weight: 0.1042 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	<LOQ	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	0.015	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 (0.368 %)

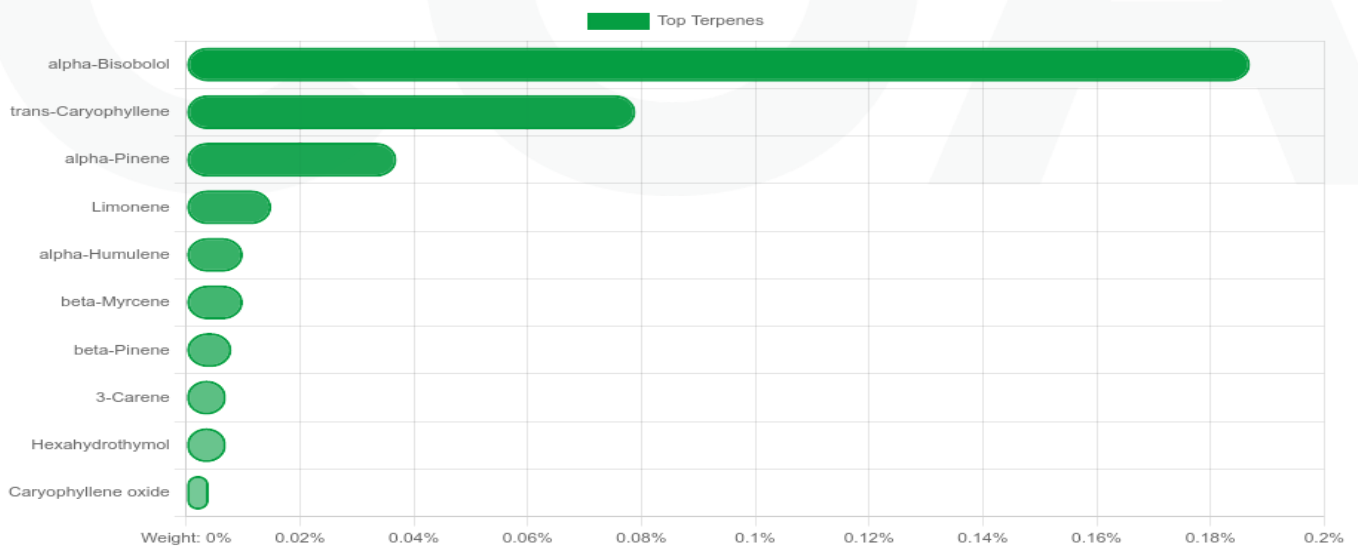
Sample Prep

Tech: 4090
 SOP: 421
 Batch Number: 62033
 Batch Date: 12/26/2023 10:36:24

Sample Analysis

Date/Time: 12/28/2023 09:03:08
 Tech: 2816
 SOP: 419
 Final Weight: 0.4175 g
 Volume: 10 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	0.007	Geraniol	0.001/0.003	1	ND
alpha-Bisobolol	0.001/0.003	1	0.187	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	0.004
alpha-Humulene	0.001/0.003	1	0.010	Hexahydrothymol	0.001/0.003	1	0.007
alpha-Pinene	0.001/0.003	1	0.037	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	<LOQ	Isopulegol	0.001/0.003	1	ND
beta-Myrcene	0.001/0.003	1	0.010	Limonene	0.001/0.003	1	0.015
beta-Pinene	0.001/0.003	1	0.008	Linalool	0.001/0.003	1	ND
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	<LOQ
Camphor	0.001/0.003	1	ND	Pulegone	0.001/0.003	1	ND
Caryophyllene oxide	0.001/0.003	1	0.004	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	ND	Terpineol	0.001/0.003	1	<LOQ
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	0.079
Eucalyptol	0.001/0.003	1	ND	trans-Nerolidol	0.001/0.003	1	ND
Fenchone	0.001/0.003	1	ND	trans-Ocimene	0.001/0.003	1	ND
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: 62049
 Batch Date: 12/27/2023 18:20:28

Sample Analysis

Date/Time: 12/28/2023 16:50:49
 Tech: 2816
 SOP: 405
 Final Weight: 0.0516 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	Isopropyl alcohol	3/140	1	500	<LOQ
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	<LOQ	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: 62050
 Batch Date: 12/28/2023 10:19:09

Sample Analysis

Date/Time: 12/28/2023 14:34:30
 Tech: 3396
 SOP: 428
 Final Weight: 0.2629 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: 12/29/2023 11:41:08
 Tech: 3393
 SOP: 409
 Final Weight: 78.4 g

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 4090
 SOP: 406

Batch Number: 62042
 Batch Date: 12/27/2023 14:11:14

Sample Analysis

Date/Time: 12/28/2023 18:32:27
 Tech: 4302
 SOP: 406

Final Weight: 1.0144 g

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

Sample Prep

Tech: 4090
 SOP: 406

Batch Number: 62043
 Batch Date: 12/27/2023 14:11:53

Sample Analysis

Date/Time: 12/29/2023 15:19:51
 Tech: 3358
 SOP: 406

Final Weight: 1.0146 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: 4090
 SOP: 406

Batch Number: 62043
 Batch Date: 12/27/2023 14:11:53

Sample Analysis

Date/Time: 12/29/2023 15:19:51
 Tech: 3358
 SOP: 406

Final Weight: 1.0146 g

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

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PASS

Sample Prep

Tech: 4090
 SOP: 406

Batch Number: 62043
 Batch Date: 12/27/2023 14:11:53

Sample Analysis

Date/Time: 12/29/2023 15:19:51
 Tech: 3358
 SOP: 406

Final Weight: 1.0146 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: 0.916 Aw

Sample Prep and Analysis

Date/Time: 12/29/2023 11:41:08
Tech: 3393
SOP: 407
Final Weight: 1.0146 g

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