



Superior Hemp Oil,  
 LLC  
 4949 Vincennes Ct.  
 Cape Coral, FL,  
 33904  
 (954) 715-3322  
 Order #: 87798  
 Retail Batch #: Lot#  
 GG001



**CERTIFICATE OF ANALYSIS**  
 ISO/IEC: 17025:2017 Accreditation #:  
 103104  
 License #: CMTL-00004

**Batch Information**

**Order Information**

Order #: 87798  
 Order Name: Superior 1500 mg Tincture  
 Retail Batch #: Lot# GG001  
 Received: 07/25/2024 14:46:33  
 Complete: 08/02/2024 14:35:36

Create Date:  
 Exp. Date:  
 Size: 0

Total Qty.: 0  
 Matrix: Tincture  
 Pickup Weight: N/A



<b>CANNABINOID PROFILE</b> <b>TESTED</b>	<b>LABEL CLAIM</b> <b>NOT APPLICABLE</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</b> <b>NOT 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>

**0.0000 %**  
Total THC

**6.0644 %**  
Total CBD

**6.3437 %**  
Total Cannabinoids

**Robert Miller PhD.**

Laboratory 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: 63314  
 Batch Date: 07/25/2024 10:30:56

**Sample Analysis**

Date/Time: 07/30/2024 13:20:23  
 Tech: 3445  
 SOP: 417  
 Final Weight: 1.0173 g  
 Volume: 40 ml

**CANNABINOID PROFILE**

HPLC-DAD

ND Total THC	ND THC Per Unit	ND THC Per Pkg
<b>6.0644 %</b> Total CBD	<b>57.794 mg</b> CBD Per Unit	<b>1733.812 mg</b> CBD Per Pkg
<b>6.3437 %</b> Total Cannabinoids	<b>60.455 mg</b> Cannabinoids Per Unit	<b>1813.664 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	26	ND	ND	ND	ND	--	--
CBD	0.064/0.1954	26	6.0644	60.644	57.794	1733.812	--	--
CBDA	0.064/0.1954	26	ND	ND	ND	ND	--	--
CBDV	0.064/0.1954	26	0.0266	0.266	0.253	7.605	--	--
CBG	0.064/0.1954	26	0.2527	2.527	2.408	72.247	--	--
CBGA	0.064/0.1954	26	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	26	ND	ND	ND	ND	--	--
d8-THC	0.064/0.1954	26	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	26	ND	ND	ND	ND	--	--
THCA	0.064/0.1954	26	ND	ND	ND	ND	--	--
THCV	0.064/0.1954	26	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	26	ND	ND	ND	ND	--	--
CBL	0.064/0.1954	26	ND	ND	ND	ND	--	--
CBT	0.064/0.1954	26	<LOQ	<LOQ	<LOQ	<LOQ	--	--
d10-THC	0.064/0.1954	26	ND	ND	ND	ND	--	--
d9-THCP	0.064/0.1954	26	ND	ND	ND	ND	--	--
exo-THC	0.064/0.1954	26	ND	ND	ND	ND	--	--

mg/unit = 1 (g) per unit x 0.953 (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	ND	ND	ND	ND
Total CBD	6.0644	60.644	57.794	1733.812
Total Cannabinoids	6.3437	63.437	60.455	1813.664

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**Agricultural Agents**

GC-MS/MS

**PASS**

**Sample Prep**

Tech: 3393  
 SOP: 402  
 Batch Number: 63315  
 Batch Date: 07/25/2024 10:32:34

**Sample Analysis**

Date/Time: 07/29/2024 12:28:10  
 Tech: 2816  
 SOP: 402  
 Final Weight: 0.5103 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: 63312  
 Batch Date: 07/24/2024 12:41:03

**Sample Analysis**

Date/Time: 07/27/2024 13:48:59  
 Tech: 3445  
 SOP: 424  
 Final Weight: 0.11 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: 63312  
 Batch Date: 07/24/2024 12:41:03

**Sample Analysis**

Date/Time: 07/27/2024 13:48:59  
 Tech: 3445  
 SOP: 424  
 Final Weight: 0.11 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
Chloromequat 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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### RESIDUAL SOLVENTS

HS-GC-MS

**PASS**

#### Sample Prep

Tech: 2816  
 SOP: 405  
 Batch Number: 63324  
 Batch Date: 07/26/2024 16:52:02

#### Sample Analysis

Date/Time: 07/31/2024 13:17:47  
 Tech: 2816  
 SOP: 405  
 Final Weight: 0.0503 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	<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	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: 3445  
 SOP: 428  
 Batch Number: 63321  
 Batch Date: 07/26/2024 12:20:54

#### Sample Analysis

Date/Time: 07/26/2024 18:28:53  
 Tech: 3445  
 SOP: 428  
 Final Weight: 0.2877 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: 07/29/2024 12:56:29  
 Tech: 4481  
 SOP: 409  
 Final Weight: 14.5548 g

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**MICROBIAL ANALYSIS**

**PASS**

**Sample Prep**

Tech: 4090  
 SOP: 406

Batch Number: 63330  
 Batch Date: 07/29/2024 12:20:22

Date/Time: 07/31/2024 17:59:16  
 Tech: 4302  
 SOP: 406

**Sample Analysis**

Final Weight: 1.0126 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total enterobacteriaceae	qPCR	NA	NOT DETECTED	PASS

**Sample Prep**

Tech: 4090  
 SOP: 406

Batch Number: 63330  
 Batch Date: 07/29/2024 12:20:22

Date/Time: 07/31/2024 17:59:16  
 Tech: 4302  
 SOP: 406

**Sample Analysis**

Final Weight: 1.0126 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total aerobic count	qPCR	NA	NOT DETECTED	PASS

**Sample Prep**

Tech: 4090  
 SOP: 406

Batch Number: 63332  
 Batch Date: 07/29/2024 12:21:20

Date/Time: 07/31/2024 17:59:41  
 Tech: 4302  
 SOP: 406

**Sample Analysis**

Final Weight: 1.0285 g

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

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**MICROBIAL ANALYSIS**

**PASS**

**Sample Prep**

Tech: 4090  
 SOP: 406

Batch Number: 63330  
 Batch Date: 07/29/2024 12:20:22

Date/Time: 07/31/2024 17:59:16  
 Tech: 4302  
 SOP: 406

**Sample Analysis**

Final Weight: 1.0126 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total coliforms	qPCR	NA	NOT DETECTED	PASS

**Sample Prep**

Tech: 4090  
 SOP: 406

Batch Number: 63331  
 Batch Date: 07/29/2024 12:20:56

Date/Time: 07/31/2024 17:58:36  
 Tech: 4302  
 SOP: 406

**Sample Analysis**

Final Weight: 1.01 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

**Sample Prep**

Tech: 4090  
 SOP: 406

Batch Number: 63331  
 Batch Date: 07/29/2024 12:20:56

Date/Time: 07/31/2024 17:58:36  
 Tech: 4302  
 SOP: 406

**Sample Analysis**

Final Weight: 1.01 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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### WATER ACTIVITY

Water Activity Meter  
Water: 0.529 Aw

### Sample Prep and Analysis

Date/Time: 07/29/2024 13:14:28  
Tech: 3445  
SOP: 407  
Final Weight: 1.0694 g



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