



Order #: 84452  
Retail Batch #:  
2307L

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

## Order Information

Order #: 84452  
Order Name: Full Spectrum 1000 Peppermint  
Retail Batch #: 2307L  
Received: 11/08/2023 11:57:29  
Complete: 11/13/2023 17:50:43

## Batch Information

Create Date: 11/07/2023  
Exp. Date: 05/31/2025  
Size: 28

Total Qty.: 3,000  
Matrix: Topical (Low)  
Pickup Weight: N/A

CANNABINOID PROFILE  
**TESTED**

LABEL CLAIM  
**PASS**

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**



**0.0091 %**  
Total THC

**3.4698 %**  
Total CBD

**3.5712 %**  
Total Cannabinoids

**Diana Asensio, M.S.**

Lab Director



**ACT Laboratories Florida**  
4001 SW 47th Avenue, Suite 208  
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Order #: 84452  
Retail Batch #:  
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**Sample Prep**

Tech: 4090  
SOP: 418  
Batch Number: 61803  
Batch Date: 11/08/2023 13:29:27

**Sample Analysis**

Date/Time: 11/10/2023 14:05:35  
Tech: 3445  
SOP: 417  
Final Weight: 0.2158 g  
Volume: 40 ml

**CANNABINOID PROFILE**

HPLC-DAD

<b>0.0091 %</b> Total THC	<b>0.091 mg</b> THC Per Unit	<b>2.548 mg</b> THC Per Pkg
<b>3.4698 %</b> Total CBD	<b>34.698 mg</b> CBD Per Unit	<b>971.544 mg</b> CBD Per Pkg
<b>3.5712 %</b> Total Cannabinoids	<b>35.712 mg</b> Cannabinoids Per Unit	<b>999.936 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	0.006/0.0195	1	0.0139	0.139	0.139	3.892	--	--
CBD	0.006/0.0195	1	3.4698	34.698	34.698	971.544	1000	2.8
CBDA	0.006/0.0195	1	ND	ND	ND	ND	--	--
CBDV	0.006/0.0195	1	0.0216	0.216	0.216	6.048	--	--
CBG	0.006/0.0195	1	0.0234	0.234	0.234	6.552	--	--
CBGA	0.006/0.0195	1	ND	ND	ND	ND	--	--
CBN	0.006/0.0195	1	0.0093	0.093	0.093	2.604	--	--
d8-THC	0.006/0.0195	1	ND	ND	ND	ND	--	--
d9-THC	0.006/0.0195	1	0.0091	0.091	0.091	2.548	--	--
THCA	0.006/0.0195	1	ND	ND	ND	ND	--	--
THCV	0.006/0.0195	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	0.006/0.0195	1	ND	ND	ND	ND	--	--
CBL	0.006/0.0195	1	ND	ND	ND	ND	--	--
CBT	0.006/0.0195	1	0.0241	0.241	0.241	6.748	--	--
d10-THC	0.006/0.0195	1	ND	ND	ND	ND	--	--
d9-THCP	0.006/0.0195	1	ND	ND	ND	ND	--	--
exo-THC	0.006/0.0195	1	ND	ND	ND	ND	--	--

mg/unit = 1 (g) per unit x 1 (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	0.0091	0.091	0.091	2.548
Total CBD	3.4698	34.698	34.698	971.544
Total Cannabinoids	3.5712	35.712	35.712	999.936

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### Agricultural Agents

GC-MS/MS

**PASS**

#### Sample Prep

Tech: 4090  
SOP: 402  
Batch Number: 61805  
Batch Date: 11/08/2023 13:30:33

#### Sample Analysis

Date/Time: 11/13/2023 17:17:05  
Tech: 3445  
SOP: 402  
Final Weight: 0.5072 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: 61804  
Batch Date: 11/08/2023 13:29:54

#### Sample Analysis

Date/Time: 11/10/2023 18:07:36  
Tech: 3445  
SOP: 424  
Final Weight: 0.1049 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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2307L

**Agricultural Agents**

LC-MS/MS

**PASS**

**Sample Prep**

Tech: 4090  
SOP: 432  
Batch Number: 61804  
Batch Date: 11/08/2023 13:29:54

**Sample Analysis**

Date/Time: 11/10/2023 18:07:36  
Tech: 3445  
SOP: 424  
Final Weight: 0.1049 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
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 (0.120 %)**

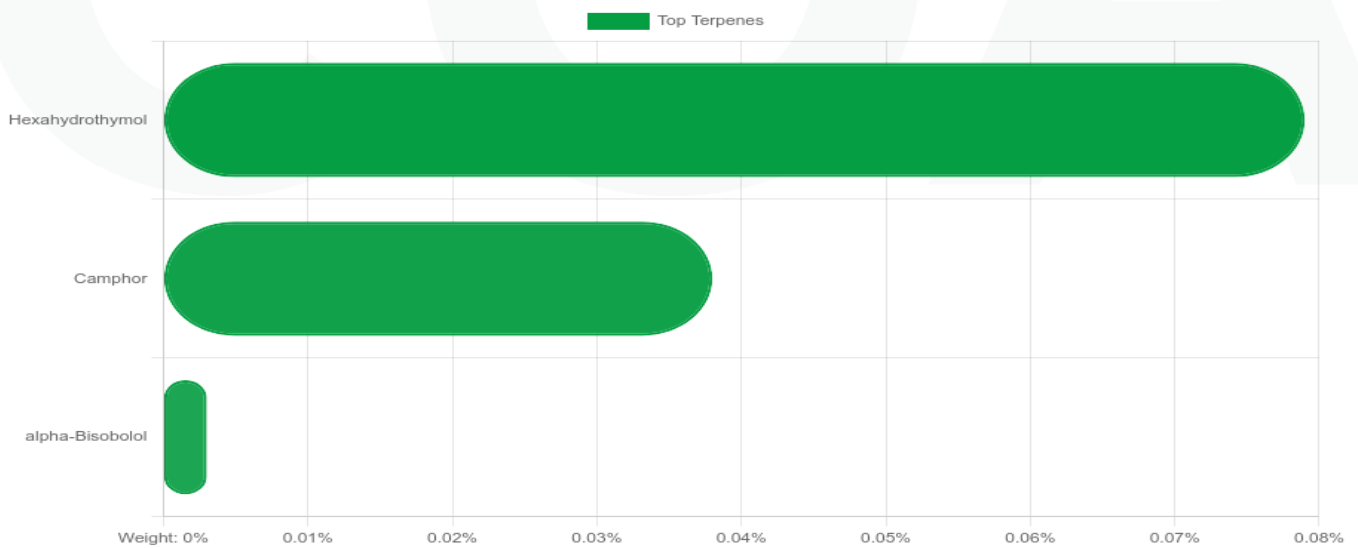
**Sample Prep**

Tech: 4090  
SOP: 421  
Batch Number: 61806  
Batch Date: 11/08/2023 13:30:53

**Sample Analysis**

Date/Time: 11/13/2023 16:58:03  
Tech: 3445  
SOP: 419  
Final Weight: 0.4076 g  
Volume: 10 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	ND	Geraniol	0.001/0.003	1	ND
alpha-Bisobolol	0.001/0.003	1	0.003	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	ND
alpha-Humulene	0.001/0.003	1	ND	Hexahydrothymol	0.001/0.003	1	0.079
alpha-Pinene	0.001/0.003	1	ND	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	ND	Isopulegol	0.001/0.003	1	ND
beta-Myrcene	0.001/0.003	1	ND	Limonene	0.001/0.003	1	ND
beta-Pinene	0.001/0.003	1	ND	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	ND
Camphor	0.001/0.003	1	0.038	Pulegone	0.001/0.003	1	<LOQ
Caryophyllene oxide	0.001/0.003	1	ND	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	ND	Terpineol	0.001/0.003	1	ND
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	ND
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	<LOQ
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	ND				



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### RESIDUAL SOLVENTS

HS-GC-MS

**PASS**

#### Sample Prep

Tech: 2816  
SOP: 405  
Batch Number: 61808  
Batch Date: 11/08/2023 15:04:07

#### Sample Analysis

Date/Time: 11/10/2023 14:45:43  
Tech: 3445  
SOP: 405  
Final Weight: 0.0506 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	ND
Acetonitrile	0.72/25	1	60	ND	Methanol	6/100	1	250	ND
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: 3396  
SOP: 428  
Batch Number: 61818  
Batch Date: 11/10/2023 09:38:03

#### Sample Analysis

Date/Time: 11/13/2023 12:49:40  
Tech: 3396  
SOP: 428  
Final Weight: 0.2365 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: 11/10/2023 14:22:43  
Tech: 3393  
SOP: 409  
Final Weight: 18.5880 g

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**MICROBIAL ANALYSIS**

**PASS**

**Sample Prep**

Tech: 4090  
SOP: 406

Batch Number: 61807  
Batch Date: 11/08/2023 13:31:20

**Sample Analysis**

Date/Time: 11/10/2023 15:55:53  
Tech: 3358  
SOP: 406

Final Weight: 1.0205 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: 61807  
Batch Date: 11/08/2023 13:31:20

**Sample Analysis**

Date/Time: 11/10/2023 15:55:53  
Tech: 3358  
SOP: 406

Final Weight: 1.0205 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: 0.515 Aw**

**Sample Prep and Analysis**

**Date/Time:** 11/10/2023 14:22:43  
**Tech:** 3393  
**SOP:** 407  
**Final Weight:** 1.0177 g

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