

CERTIFICATE OF ANALYSIS



Order #: 34490
 Order Name: Full Spectrum
 3500 Peppermint
 Batch#: Lot 1906H
 Received: 08/07/2019
 Completed: 08/20/2019



Sample



N/D
D9-THC

13.988%
Total CBD

3,498.5 mg
Cannabinoids per tincture

3,475.0 mg
CBD per tincture

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400

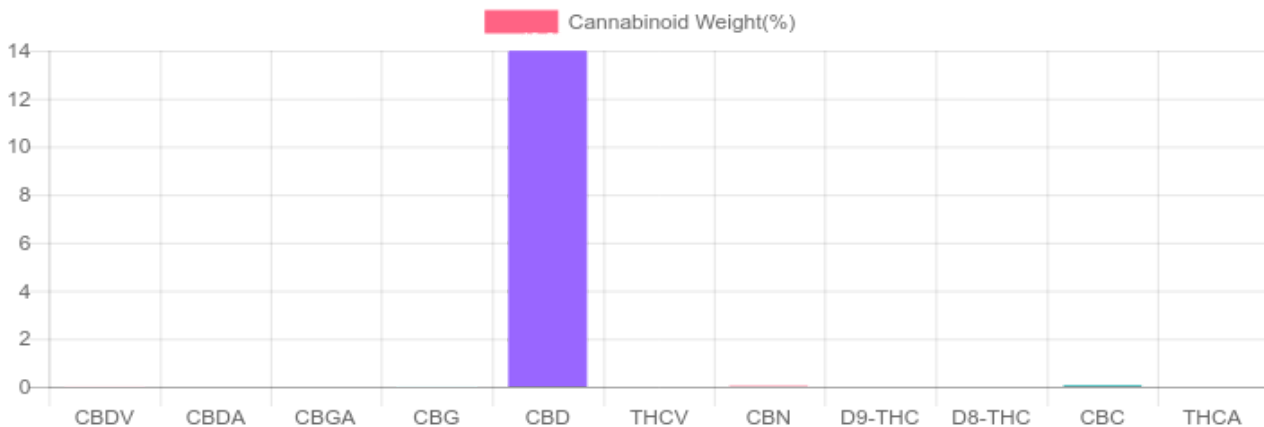
PREPARED: 08/16/2019 16:22:11

UPLOADED: 08/19/2019 18:16:31

Cannabinoids	LOQ	weight(%)	mg/g	mg/tincture
D9-THC	10 PPM	N/D	N/D	N/D
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	13.988%	139.879	3,475.0
CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	0.005%	0.047	1.2
CBC	10 PPM	0.067%	0.675	16.8
CBN	10 PPM	0.020%	0.197	4.9
CBG	10 PPM	0.003%	0.026	0.6
CBGA	20 PPM	N/D	N/D	N/D
D8-THC	10 PPM	N/D	N/D	N/D
THCV	10 PPM	N/D	N/D	N/D

TOTAL D9-THC	N/D	N/D	N/D
TOTAL CBD*	13.988%	139.879	3,475.0
TOTAL CANNABINOIDS	14.083%	140.824	3,498.5

1 tincture = 27.3 grams per tincture x
 Cannabinoid concentration



Reporting Limit 10 ppm

*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification



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Dr. Andrew Hall, Ph.D., CSO & Lab Director

Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

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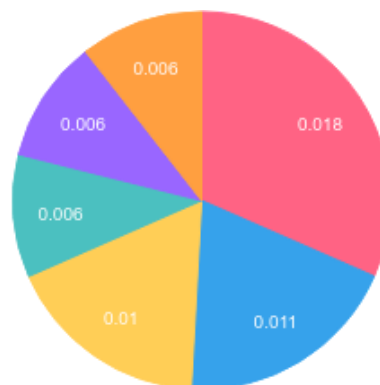
TERPENES: TOTAL (0.057%)

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

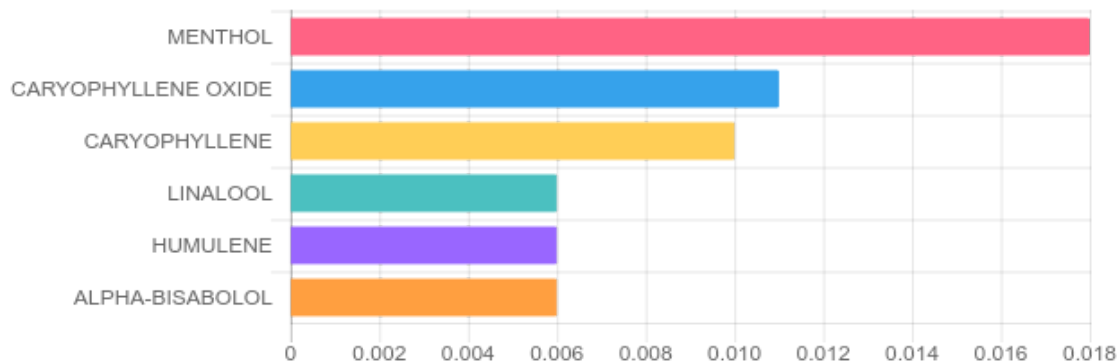
GSL SOP 404
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Terpene	Results (%)	LOQ (%)	LOD (%)
ALPHA-BISABOLOL	B/LOQ	0.0067%	0.0063%
CARYOPHYLLENE	0.010%	0.0067%	0.0063%
CARYOPHYLLENE OXIDE	0.011%	0.0067%	0.0063%
HUMULENE	B/LOQ	0.0067%	0.0063%
LINALOOL	B/LOQ	0.0067%	0.0063%
MENTHOL	0.018%	0.0067%	0.0063%

Terpenes Breakdown



Top Terpenes Results:



Tested for but not present:

ALPHA-PINENE, CAMPHENE, SABINENE, BETA-MYRCENE, BETA-PINENE, ALPHA-PHELLANDRENE, 3-CARENE, ALPHA-TERPINENE, TRANS-BETA-OCIMENE, LIMONENE, CIS-BETA-OCIMENE, EUCALYPTOL, GAMMA-TERPINENE, TERPINOLENE, SABINENE HYDRATE, FENCHONE, FENCHOL, ISOPULEGOL, CAMPHOR, ISOBORNEOL, BORNEOL, TERPINEOL (MIX OF ISOMERS), GAMMA-TERPINEOL, NEROL, GERANIOL, PULEGONE, GERANYL ACETATE, ALPHA-CEDRENE, VALENCENE, CIS-NEROLIDOL, TRANS-NEROLIDOL, GUAIOL, CEDROL



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Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 08/11/2019 23:34:27

PCR - Agilent AriaMX

Test	Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
STEC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
SALMONELLA*	USP 61/62†	ARIAMX PCR	5 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
ASPERGILLUS	USP 61/62†	ARIAMX PCR	ASP_LOD***	PRESENCE / ABSENT	BELOW LOD	PASS
YEAST AND MOLD	USP 61/62†	ARIAMX PCR	363.05518 CFU/G**	1,000	BELOW THRESHOLD	PASS
TOTAL AEROBIC BACTERIA	USP 61/62†	ARIAMX PCR	0.25316 CFU/G**	10,000	BELOW THRESHOLD	PASS
COLIFORM	USP 61/62†	ARIAMX PCR	3.41539 CFU/G**	100	BELOW THRESHOLD	PASS
ENTEROBACTERIACEAE	USP 61/62†	ARIAMX PCR	0.32951 CFU/G**	100	BELOW THRESHOLD	PASS

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

* STEC and Salmonella run as Multiplex

** CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix

*** Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA



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