

CERTIFICATE OF ANALYSIS



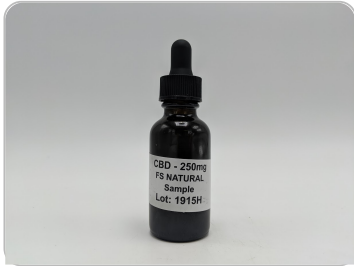
Order #: 34999
 Order Name: Full Spectrum
 250 Natural
 Batch#: 1915H
 Received: 08/20/2019
 Completed: 08/27/2019



CBD Hemp Experts
 841 Prudential Drive, Suite 1200
 Jacksonville FL, 32207
 (904) 900-4747
 info@cbdhempeperts.com



Sample



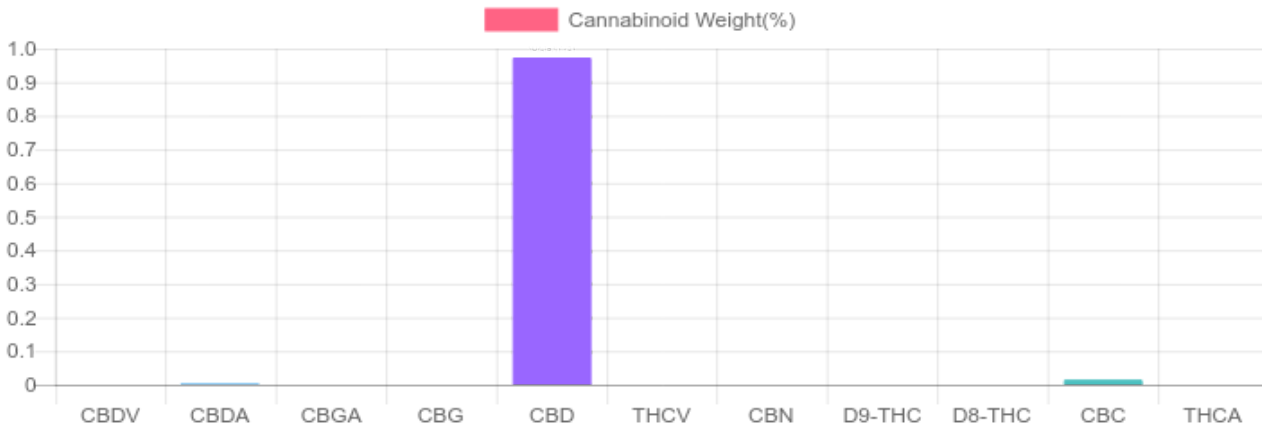
N/D D9-THC	0.976% Total CBD
270.6 mg Cannabinoids per tincture	266.3 mg CBD per tincture

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
 GSL SOP 400 PREPARED: 08/20/2019 20:19:03 UPLOADED: 08/22/2019 16:50:52

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	0.973%	9.734	265.7
CBDA	20 PPM	0.003%	0.027	0.7
CBDV	20 PPM	N/D	N/D	N/D
CBC	10 PPM	0.015%	0.155	4.2
CBN	10 PPM	N/D	N/D	N/D
CBG	10 PPM	N/D	N/D	N/D
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*		0.976%	9.758	266.3
TOTAL CANNABINOIDS		0.991%	9.916	270.6

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



4001 SW 47th Avenue Suite 207
 Davie, FL 33314
 1-833-TEST-CBD
 info@greenscientificlabs.com



[Signature]
 Dr. Andrew Hall, Ph.D., CSO & Lab Director

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Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 08/27/2019 22:45:04

PCR - Agilent AriaMX Test	Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
PATHOGENIC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
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
LISTERIA MONOCYTOGENES		ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	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



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