

# CERTIFICATE OF ANALYSIS

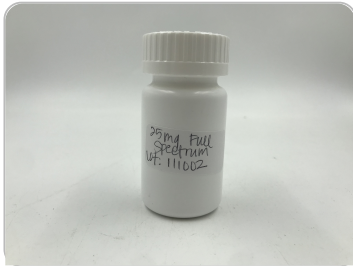
## ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 88780  
 Order Name: 25mg Full Spectrum Softgels  
 Batch#: 111002  
 Received: 12/10/2021  
 Completed: 12/20/2021

New England Hemp Farm  
 13 Fort Hill Rd.  
 Groton, Ct 06340  
 (203) 451-3852

### Sample



**0.205%**  
Total D9-THC

**6.367%**  
Total CBD

**28.3 mg**  
Cannabinoids per unit

**25.5 mg**  
CBD per unit

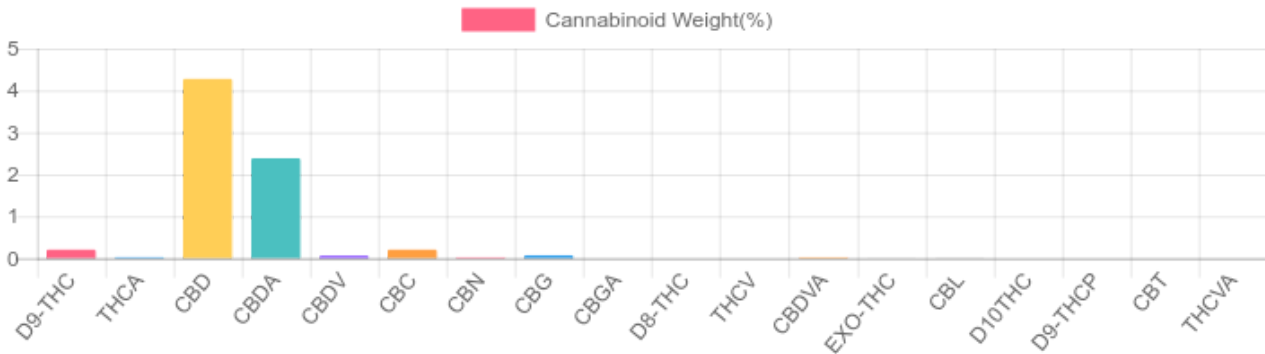
1 unit = 0.4 grams per unit x Cannabinoid concentration

### Cannabinoids Test


HPLC-DAD  
 GSL SOP 400

UPLOADED: 12/16/2021 09:48:22

Cannabinoids	LOQ(mg/g)	LOD(mg/g)	weight(%)	mg/g	mg/unit
D9-THC	0.9770	0.3224	<b>0.205%</b>	<b>2.050</b>	<b>0.820</b>
THCA	0.9770	0.3224	N/D	N/D	N/D
CBD	0.9770	0.3224	<b>4.277%</b>	<b>42.773</b>	<b>17.109</b>
CBDA	0.9770	0.3224	<b>2.383%</b>	<b>23.832</b>	<b>9.533</b>
CBDV	0.9770	0.3224	B/LOQ	B/LOQ	B/LOQ
CBC	0.9770	0.3224	<b>0.205%</b>	<b>2.054</b>	<b>0.822</b>
CBN	0.9770	0.3224	N/D	N/D	N/D
CBG	0.9770	0.3224	B/LOQ	B/LOQ	B/LOQ
CBGA	0.9770	0.3224	N/D	N/D	N/D
D8-THC	0.9770	0.3224	N/D	N/D	N/D
THCV	0.9770	0.3224	N/D	N/D	N/D
CBDVA	0.9770	0.3224	N/D	N/D	N/D
EXO-THC	0.9770	0.3224	N/D	N/D	N/D
CBL	0.9770	0.3224	N/D	N/D	N/D
D10THC	0.9770	0.3224	N/D	N/D	N/D
D9-THCP	0.9770	0.3224	N/D	N/D	N/D
CBT	0.9770	0.3224	N/D	N/D	N/D
THCVA	0.9770	0.3224	N/D	N/D	N/D
<b>TOTAL D9-THC</b>			<b>0.205%</b>	<b>2.050</b>	<b>0.8</b>
<b>TOTAL CBD*</b>			<b>6.367%</b>	<b>63.674</b>	<b>25.5</b>
<b>TOTAL CANNABINOIDS</b>			<b>7.070%</b>	<b>70.709</b>	<b>28.3</b>



\*Total CBD = CBD + CBDA x 0.877  
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

  
 Ben Witten, MS, MT., Lab Director

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 1-833 TEST CBD



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### PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 12/14/2021 15:01:14

UPLOADED: 12/16/2021 17:56:33

LC-MS/MS

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.005	IMAZALIL	0.100	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.005	0.001	IMIDACLOPRID	5.000	N/D	0.005	0.001
ACEQUINOCYL	0.100	N/D	0.005	0.005	KRESOXIM-METHYL	0.100	N/D	0.005	0.005
ACETAMIPRID	0.100	N/D	0.005	0.005	MALATHION	0.500	N/D	0.005	0.001
ALDICARB	0.100	N/D	0.005	0.005	METALAXYL	2.000	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.005	0.001	METHIOCARB	0.100	N/D	0.005	0.001
BIFENAZATE	0.100	N/D	0.005	0.001	METHOMYL	1.000	N/D	0.005	0.001
BIFENTHRIN	3.000	N/D	0.005	0.005	MEVINPHOS	0.100	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.005	MYCLOBUTANIL	0.100	N/D	0.005	0.005
CARBARYL	0.500	N/D	0.005	0.001	NALED	0.100	N/D	0.005	0.001
CARBOFURAN	0.100	N/D	0.005	0.001	OXAMYL	0.500	N/D	0.005	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005	PACLOBUTRAZOL	0.100	N/D	0.005	0.005
CHLORPYRIFOS	0.100	N/D	0.005	0.005	PERMETHRINS	0.500	N/D	0.005	0.005
CLOFENTEZINE	0.100	N/D	0.005	0.005	PHOSMET	0.100	N/D	0.005	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001	PIPERONYL	3.000	N/D	0.005	0.005
DIAZINON	0.100	N/D	0.005	0.005	BUTOXIDE	3.000	N/D	0.005	0.005
DICHLORVOS	0.100	N/D	0.005	0.001	PRALLETHRIN	0.100	N/D	0.005	0.005
DIMETHOATE	0.100	N/D	0.005	0.001	PROPICONAZOLE	0.100	N/D	0.010	0.005
DIMETHOMORPH	2.000	N/D	0.005	0.001	PROPOXUR	0.100	N/D	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.005	0.001	PYRETHRINS	0.500	N/D	0.005	0.001
ETOFENPROX	0.100	N/D	0.005	0.005	PYRIDABEN	0.100	N/D	0.005	0.005
ETOXAZOLE	0.100	N/D	0.050	0.005	SPINETORAM	0.100	N/D	0.005	0.005
FENHEXAMID	0.100	N/D	0.005	0.001	SPINOSAD	0.100	N/D	0.005	0.005
FENOXYCARB	0.100	N/D	0.005	0.005	SPIROMESIFEN	0.100	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.005	0.005	SPIROTETRAMAT	0.100	N/D	0.005	0.005
FIPRONIL	0.100	N/D	0.005	0.005	SPIROXAMINE	0.100	N/D	0.005	0.001
FLONICAMID	0.100	N/D	0.025	0.005	TEBUCONAZOLE	0.100	N/D	0.005	0.001
FLUDIOXONIL	0.100	N/D	0.005	0.005	THIACLOPRID	0.100	N/D	0.005	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.005	THIAMETHOXAM	5.000	N/D	0.005	0.001
					TRIFLOXYSTROBIN	0.100	N/D	0.005	0.005

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

Ben Witten, MS, MT., Lab Director

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 1-833 TEST CBD



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### RESIDUAL SOLVENTS:

HS-GC-MS

GSL SOP 405

Uploaded: 12/15/2021 15:16:28

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.6
1,2-DICHLOROETHANE	2	N/D	0.12	0.012
1,2-DICHLOROETHENE	5	N/D	0.73	0.09
ACETONE	5,000	N/D	140	9
ACETONITRILE	410	N/D	25	0.72
BENZENE	1	N/D	1	0.6
BUTANE	5,000	N/D	50	48
CHLOROFORM	1	N/D	1	0.5
ETHANOL	5,000	N/D	140	12
ETHYL ACETATE	5,000	N/D	140	2.4
ETHYL ETHER	5,000	N/D	140	6
ETHYLENE OXIDE	1	N/D	2	0.6
ISOPROPYL ALCOHOL	5,000	N/D	140	3
METHANOL	3,000	N/D	100	6
METHYLENE CHLORIDE	125	N/D	1.5	1.5
N-HEPTANE	5,000	N/D	140	6
N-HEXANE	290	N/D	18	0.06
PENTANE	5,000	N/D	140	9
PROPANE	5,000	N/D	30	30
TOLUENE	890	N/D	53	0.9
TRICHLOROETHENE	1	N/D	1	0.3
XYLENES	150	N/D	130	1.8

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### Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 12/20/2021 07:21:59

### MICROBIAL ANALYSIS:

Test	SOP	Test Method	Device Used	Allowable Criteria	Actual Result
LISTERIA MONOCYTOGENES	406.01	QPCR	ARIAMX PCR	NOT APPLICABLE	NOT DETECTED
STEC E. COLI*	406.01	QPCR	ARIAMX PCR	< 1 CFU/G	NOT DETECTED
PATHOGENIC E. COLI	406.01	QPCR	ARIAMX PCR	NOT APPLICABLE	NOT DETECTED
SALMONELLA*	406.01	QPCR	ARIAMX PCR	< 1 CFU/G	NOT DETECTED

† 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 MIP/Extract matrix

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### Mycotoxin Analysis:

LC-MS/MS  
GSL SOP 401

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Analyte	LOQ (ppb)	LOD (ppb)	Action Lvl (ppb)	Results (ppb)
AFLATOXIN B1	1	1	20	N/D
AFLATOXIN B2	1	1	20	N/D
AFLATOXIN G1	1	1	20	N/D
AFLATOXIN G2	1	1	20	N/D
OCHRATOXIN A	1	1	20	N/D

### Heavy Metals Analysis:

ICP-MS  
GSL SOP 403

Uploaded: 12/15/2021 17:06:03

Metal	LOQ (ppb)	LOD (ppb)	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	75	20	200	N/D
CADMIUM (CD)	75	20	200	N/D
MERCURY (HG)	75	20	100	N/D
LEAD (PB)	75	20	500	N/D

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