

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Full Spectrum Nano CBD Softgels  
**PRODUCT STRENGTH:** 25mg CBD  
**TINCTURE BATCH:** 7756  
**BEST BY DATE:** 12/12/2024  
**HEMP EXTRACT LOT:** 22BL07756

### Physical Attributes


Test	Method	Specification	Results
Color	Internal	Golden to Amber	PASS
Odor	Internal	No odor	PASS
Appearance	Internal	Dry, ovoid softgel capsules in container with lid and shrink-band	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	Internal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

### Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
<b>Potency - Total CBD</b>	HPLC-UV DAD	*NLT 25mg / softgel	<b>30.98</b>	PASS
<b>Potency - D9-THC</b>	HPLC-UV DAD	LOQ: <0.03% (full spectrum)	<b>0.7mg</b>	PASS
<b>Expanded Pesticide Panel</b>	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS
<b>Microbial</b> Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>3</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Heavy Metals Panel</b>	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	<b>Below LOQ</b>	PASS
<b>Mycotoxins</b>	ICP-MS	Total Aflatoxins <20 ppb† Aflatoxin B1 < 5 ppb Ochratoxin < 5ppb	<b>Below LOQ</b>	PASS
<b>Residual Solvents</b>	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS

\* Level of Quantitation, † Parts Per Million ‡ Part Per Billion CFU/g=Colony Forming Units per Gram  
 \*Nothing Less Than  
 10<sup>2</sup>=100 CFU  
 10<sup>3</sup>=1,000 CFU

Quality Certified

  
 \_\_\_\_\_  
 Name

12/14/2022

\_\_\_\_\_ Date


## CBD Softgels 25mg FS


Batch ID or Lot Number: SG25FS-7756	Test: <b>Potency</b>	Reported: <b>06Dec2022</b>	USDA License: N/A
Matrix: Unit	Test ID: T000229530	Started: 06Dec2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 02Dec2022	Status: Active

### Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.087	0.320	<LOQ	<LOQ	# of Servings = 1 Sample Weight=0.661g
Cannabichromenic Acid (CBCA)	0.080	0.293	ND	ND	
Cannabidiol (CBD)	0.281	0.833	30.894	46.72	
Cannabidiolic Acid (CBDA)	0.288	0.854	ND	ND	
Cannabidivarin (CBDV)	0.066	0.197	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.120	0.356	ND	ND	
Cannabigerol (CBG)	0.050	0.182	3.488	5.28	
Cannabigerolic Acid (CBGA)	0.207	0.760	ND	ND	
Cannabinol (CBN)	0.065	0.237	0.524	0.79	
Cannabinolic Acid (CBNA)	0.141	0.519	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.247	0.906	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.224	0.823	0.708	1.07	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.199	0.729	ND	ND	
Tetrahydrocannabivarin (THCV)	0.045	0.165	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.175	0.643	ND	ND	
<b>Total Cannabinoids</b>			<b>35.614</b>	<b>53.86</b>	
Total Potential THC			0.708	1.07	
Total Potential CBD			30.894	46.72	

### Final Approval

  
PREPARED BY / DATE  
Sam Smith  
06Dec2022  
01:59:00 PM MST

  
APPROVED BY / DATE  
Karen Winternheimer  
06Dec2022  
02:07:00 PM MST



<https://results.botanacor.com/api/v1/coas/uuid/23864d63-5485-48bf-8834-4ca660c426dd>

**Definitions**  
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).  
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDA \*(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified  
23864d63548548bf88344ca660c426dd.1

## CBD Softgels 25mg FS

<b>Batch ID or Lot Number:</b> SG25FS-7756	<b>Test, Test ID and Methods:</b> Various	<b>Matrix:</b> Concentrate	Page 1 of 6
<b>Reported:</b> 27Oct2022	<b>Started:</b> 26Oct2022	<b>Received:</b> 25Oct2022	

## Residual Solvents - Colorado Compliance

Test ID: T000225760

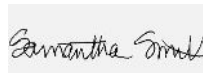
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	80 - 1596	ND	
Butanes (Isobutane, n-Butane)	171 - 3425	ND	
Methanol	60 - 1191	ND	
Pentane	93 - 1850	ND	
Ethanol	97 - 1948	ND	
Acetone	93 - 1853	ND	
Isopropyl Alcohol	102 - 2044	ND	
Hexane	5 - 109	ND	
Ethyl Acetate	96 - 1929	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	95 - 1902	ND	
Toluene	17 - 346	ND	
Xylenes (m,p,o-Xylenes)	130 - 2591	ND	

### Final Approval

 Karen Winternheimer  
27Oct2022  
09:44:00 AM MDT

PREPARED BY / DATE

 Sam Smith  
27Oct2022  
09:45:00 AM MDT

APPROVED BY / DATE

## Density Analysis

Test ID: T000225761

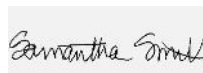
Methods: TL-SOP-0034 (Gravimetric)

Result	Notes
Density 1.057 g/ml	Free from visual mold, mildew, and foreign matter N/A

### Final Approval

 Karen Winternheimer  
27Oct2022  
02:29:00 PM MDT

PREPARED BY / DATE

 Sam Smith  
27Oct2022  
02:30:00 PM MDT

APPROVED BY / DATE

**CBD Softgels 25mg FS**

<b>Batch ID or Lot Number:</b> SG25FS-7756	<b>Test, Test ID and Methods:</b> Various	<b>Matrix:</b> Concentrate	Page 4 of 6
<b>Reported:</b> 27Oct2022	<b>Started:</b> 26Oct2022	<b>Received:</b> 25Oct2022	

**Pesticides**

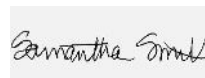
Test ID: T000225757

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	318 - 2745	ND		Malathion	286 - 2743	ND
Acephate	41 - 2764	ND		Metalaxyl	38 - 2771	ND
Acetamiprid	39 - 2738	ND		Methiocarb	39 - 2738	ND
Azoxystrobin	40 - 2744	ND		Methomyl	38 - 2761	ND
Bifenazate	36 - 2738	ND		MGK 264 1	169 - 1610	ND
Boscalid	37 - 2740	ND		MGK 264 2	116 - 1114	ND
Carbaryl	38 - 2693	ND		Myclobutanil	47 - 2783	ND
Carbofuran	38 - 2698	ND		Naled	45 - 2724	ND
Chlorantraniliprole	40 - 2758	ND		Oxamyl	39 - 2753	ND
Chlorpyrifos	36 - 2762	ND		Paclobutrazol	41 - 2677	ND
Clofentezine	280 - 2722	ND		Permethrin	296 - 2750	ND
Diazinon	276 - 2751	ND		Phosmet	37 - 2752	ND
Dichlorvos	269 - 2783	ND		Prophos	302 - 2738	ND
Dimethoate	38 - 2733	ND		Propoxur	38 - 2700	ND
E-Fenpyroximate	300 - 2707	ND		Pyridaben	292 - 2656	ND
Etofenprox	40 - 2716	ND		Spinosad A	30 - 2241	ND
Etoazole	297 - 2696	ND		Spinosad D	51 - 498	ND
Fenoxycarb	40 - 2744	ND		Spiromesifen	285 - 2742	ND
Fipronil	43 - 2785	ND		Spirotetramat	284 - 2760	ND
Flonicamid	45 - 2740	ND		Spiroxamine 1	17 - 1176	ND
Fludioxonil	288 - 2735	ND		Spiroxamine 2	18 - 1577	ND
Hexythiazox	38 - 2736	ND		Tebuconazole	285 - 2721	ND
Imazalil	281 - 2797	ND		Thiacloprid	40 - 2749	ND
Imidacloprid	44 - 2749	ND		Thiamethoxam	42 - 2747	ND
Kresoxim-methyl	39 - 2762	ND		Trifloxystrobin	41 - 2717	ND

**Final Approval**

  
 Karen Winternheimer  
 29Oct2022  
 02:02:00 PM MDT  
 PREPARED BY / DATE

  
 Sam Smith  
 29Oct2022  
 02:04:00 PM MDT  
 APPROVED BY / DATE

## CBD Softgels 25mg FS

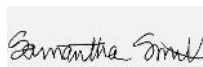
<b>Batch ID or Lot Number:</b> SG25FS-7756	<b>Test, Test ID and Methods:</b> Various	<b>Matrix:</b> Concentrate	Page 5 of 6
<b>Reported:</b> 27Oct2022	<b>Started:</b> 26Oct2022	<b>Received:</b> 25Oct2022	


## Heavy Metals - Colorado Compliance

Test ID: T000225759  
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 3.95	ND	
Cadmium	0.04 - 4.02	ND	
Mercury	0.04 - 4.26	ND	
Lead	0.04 - 4.40	ND	

### Final Approval

  
Sam Smith  
31Oct2022  
08:23:00 AM MDT  
PREPARED BY / DATE

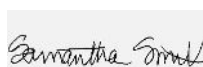
  
Karen Winternheimer  
31Oct2022  
08:28:00 AM MDT  
APPROVED BY / DATE


## Mycotoxins - Colorado Compliance

Test ID: T000225762  
Methods: TM18 (UHPLC-QQQ  
LCMS/MS): Mycotoxins

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.73 - 122.13	ND	N/A
Aflatoxin B1	0.86 - 31.31	ND	
Aflatoxin B2	0.89 - 31.62	ND	
Aflatoxin G1	0.92 - 31.03	ND	
Aflatoxin G2	0.92 - 31.83	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Sam Smith  
01Nov2022  
08:27:00 AM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
01Nov2022  
08:34:00 AM MDT  
APPROVED BY / DATE

**CBD Softgels 25mg FS**

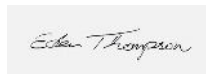
<b>Batch ID or Lot Number:</b> SG25FS-7756	<b>Test, Test ID and Methods:</b> Various	<b>Matrix:</b> Concentrate	Page 2 of 6
<b>Reported:</b> 27Oct2022	<b>Started:</b> 26Oct2022	<b>Received:</b> 25Oct2022	

**Microbial  
Contaminants -  
Colorado Compliance**

Test ID: T000225758  
Methods: TM25 (qPCR) TM24, TM26,  
TM27 (Culture Plating): Microbial  
(Colorado Panel)

	<b>Method</b>	<b>LOD</b>	<b>Quantitation Range</b>	<b>Result</b>	<b>Notes</b>
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	<LLOQ	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

**Final Approval**



Eden Thompson-Wright  
28Oct2022  
11:03:00 AM MDT

PREPARED BY / DATE



Brett Hudson  
28Oct2022  
03:29:00 PM MDT

APPROVED BY / DATE