# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** CBD Softgels with Curcumin

**PRODUCT STRENGTH:** 25 mg CBD / 10 mg Curcumin

FILL LOT NUMBER: 21211
SOFTGEL LOT NUMBER: 21147B

**BEST BY DATE:** 04/07/2023

# \*Click on the links to view third-party reports\*

## Physical Atttributes

Test	Method	Specification	Results
Color	SOP-100	Bright Red to Pink	PASS
Odor	SOP-100	N/A	PASS
Appearance	SOP-100	Dry, ovoid softgel capsules in container with lid and shrinkband	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	SOP-132	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
Potency - Total CBD	SOP-111	25-31.25 mg CBD LOQ**: 10 PPM† (0.001%)	25.8 mg	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	ND	PASS
Compliant Pesticide Panel	SOP-111	WIP-100008 : Product specification for Tinctures, Oregon Action limits apply	ND	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	Below LOQ	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	Below LOQ	PASS
Microbial - Yeast and Mold	I SOP-111 I Complies with USP 61/62		Below LOQ	PASS
CA Compliant Heavy Metal Panel	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	ND	PASS

<sup>\* \*</sup>Level of Quantitation, † Parts Per Million

Quality Certified

Kayla Kolber
Kayla Kolber

06/04/2021

Date

Quality Assurance Technician

Certificate of Analysis				
Product Name: Organics Softgels 25 mg	Product No.: 6-026-10-01			
with Curcumin	Country of Origin: USA			
Lot No.: 21211	Serving Size: 1 softgel			
LOT NO.: 21211	Manufacture Date: 04/07/2021			
Product Packaging: Bottle	Report Date: 05/04/2021			

Analyte	Test Method	Acceptable Limit	Test Results	
Physical				
Appearance	Visual	Transparent gel cap	Conforms	
Color	Visual	Red	Conforms	
Potency/Chemistry				
Total Cannabinoids	MSP-7.3.1.5	NLT 25 mg/capsule	26 mg/capsule	
Total THC (delta 9 THC and THC-A)	MSP-7.3.1.5	0.1% w/w	None detected	
Curcumin	AOAC 2016.16	NLT 10 mg/capsule	10 mg/capsule	
Impurities	STATE OF THE PARTY OF			
Pesticides	MSP-7.5.1.6	Below action level limits	Conforms	
Solvents	MSP-7.5.1.6	Below action level limits	Conforms	
Microbiological Pathogens			Carlotte Comment	
Escherichia coli	MSP-7.5.1.1	Absent/10 g	None detected	
Salmonella	MSP-7.5.1.1	Absent /10 g	None detected	
Yeasts & Molds	MSP-7.5.1.1	NMT 100 cfu/g	0 cfu/g	
Ochratoxin A	MSP-7.5.1.1	None detected	None detected	
Aflatoxins	MSP-7.5.1.1	None detected	None detected	
Heavy Metals				
Arsenic	MSP-7.5.1.1	NMT 1.5 ppm	None detected	
Cadmium	MSP-7.5.1.1	NMT 0.3 ppm	None detected	
Lead	MSP-7.5.1.1	NMT 1.0 ppm	None detected	
Mercury	MSP-7.5.1.1	NMT 0.5 ppm	None detected	

Quality Control:

Quality Assurance:

Date: 05 04 202

Date: 05/04/2021

certificate ID 1DU79

Nano BS 25mg

### **7USC1639 Certificate of Analysis**

21211

rec'd 4/23/2021 12:59:58 PM

total cannabinoids

26.3mg

per pill THC‡ ND

CBD<sup>‡</sup> 25.8mg

order 10562

This Product Has Been **Tested and Complies** with 7USC1639o(1)

Stillwater Laboratories



Potency per

pill

total THC‡

total CBD‡

total cannabinoids

total THC (THC+THCa)

tetrahydrocannabolic acid (THCa)

Δ9-tetrahydrocannabinol (Δ9 THC)

Δ8-tetrahydrocannabinol (Δ8 THC)

tetrahydrocannabivarin (THCv)

cannabidiolic acid (CBDa)

cannabigerolic acid (CBGa)

cannabichromene (CBC)

cannabidivarin (CBDv)

cannabidiol (CBD)

cannabigerol (CBG)

cannabinol (CBN)

total CBD (CBD+CBDa)

MSP-7.5.1.4 26.3mg

ND

error LOD LOQ (95%Cl k=2)

0.13 | 0.39 | ±0.60mg 0.13 | 0.39 | ±0.39mg

ИВ	0.1310.391±0.39mg
25.8mg	0.13   0.39   ±0.60mg
25.8mg	0.13   0.39   ±0.60mg
ND	0.13   0.40   ±0.40mg
ND	0.12   0.37   ±0.37mg
ND	0.17   0.50   ±0.50mg
ND	0.14   0.42   ±0.42mg
ND	0.11   0.34   ±0.34mg
25.8mg	0.13   0.39   ±0.60mg
ND	0.13   0.39   ±0.39mg
ND	0.12   0.35   ±0.35mg
0.5mg	0.04   0.11   ±0.12mg
ND	0.07   0.21   ±0.21mg
ND	0.13   0.39   ±0.39mg

Terpenes

caryophyliene humulene terpinclene

beta pinene alpha pinene

> limonene myrcene linatoot



0.386% total terpenes linalool β-myrcene ND ND ND ND

MSP-7.5.1.6

PASS

0.006 I 0.017 I ±0.017 ppm

D-limonene β-pinene ocimene ND ND terpinolene 0.021% 0.360% a-humulene β-caryophyllene α-bisabolol ND ND camphene ND ND Δ3-carene caryophyllene oxide ND ND para-cymene eucalyptol ND <LOQ geraniol quaiol

Microbial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli Salmonella sp. molds Ochratoxin A Aflatoxin B1B2G1G	ND 2	OCFU OCFU OOOCFU 20 ppb 20 ppb	0. 2.0 0.	1   0.2   5   7.8   4   1.2	±0.2CFU ±0.2CFU ±7.8CFU l±1.2 ppb l±1.3 ppb	PASS PASS PASS PASS PASS
Solvents	MSP-7.5.1.7	limit	LOD	LOQ	error	result
Acetone Acetonitriie Benzene Butane Chloroform Cyclohexane Ethanol Heptane Hexane Isopropyl alcohol Methanol Pentane Propane Toluene Xylenes	ND 4 ND 50 ND 10 ND 50 ND 2 ND 2 ND 30 ND 50	000 ppm 10 ppm 00 ppm 000 ppm 000 ppm 000 ppm 100 ppm	0.6 0.0 1.4 0.1 0.5 0.7 0.4 0.5 0.6 0.5 0.5	8   1.9     0.1     14.2     10.2     11.6     11.2     11.6     11.6     10.6     11.6     10.6     10.9	±2.1 ppm ±1.9 ppm ±0.1 ppm ±0.2 ppm ±0.2 ppm ±1.6 ppm ±1.6 ppm ±1.2 ppm ±1.6 ppm ±1.6 ppm ±1.6 ppm ±0.6 ppm ±0.6 ppm ±1.6 ppm ±0.9 ppm ±1.0 ppm	PASS PASS PASS PASS PASS PASS PASS PASS
Metals	MSP-7.5.1.11	limit	LOD	LOQ	error	result
Arsenic Cadmium Lead Mercury Pesticides	ND 50	500 ppb 00 ppb 00 ppb 00 ppb	3.0 4.7 l	1 9.0 l 14.0 l	±8.3 ppb ±9.0 ppb ±14.0 ppb ±7.0 ppb	PASS PASS PASS PASS
Pyrethrin Pyridaben Spinetoram Spinosad Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Triiloxystrobin	ND 3.0 ND 3.0 ND 12.0 ND 13.0 ND 0.0 ND 0.0 ND 2.0 ND 0.1 ND 4.5	0 ppm 0 0 pp	0.003   0.00 0.001   0.00 0.003   0.01 0.006   0.01 0.003   0.00 0.002   0.00 0.005   0.01 0.003   0.00 0.003   0.00 0.002   0.00	03   ±0. 10   ±0. 19   ±0. 07   ±0. 02   ±0. 15   ±0. 03   ±0. 09   ±0.	003 ppm 010 ppm 019 ppm 009 ppm 007 ppm 002 ppm 015 ppm 003 ppm 009 ppm	PASS PASS PASS PASS PASS PASS PASS PASS

Р	esticides	MSP-7.5.1.8	limit	LOD LOQ error	result
	Abamectin	ND	0.30 ppm	0.007 I 0.021 I ±0.021 ppm	PASS
	Acephate	ND	5.00 ppm	0.007   0.022   ±0.022 ppm	PASS
	Acequinocyl	ND	4.00 ppm	0.006   0.019   ±0.019 ppm	PASS
	Acetamiprid	ND	5.00 ppm	0.005   0.015   ±0.015 ppm	PASS
	Aldicarb	ND	0.00 ppm	0.002   0.006   ±0.006 ppm	PASS
DATE	Azoxystrobin	ND	40.00 ppm	0.002   0.006   ±0.006 ppm	PASS
A	Bifenazate	ND	5.00 ppm	0.002   0.005   ±0.005 ppm	PASS
	Bifenthrin	ND	0.50 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE	Boscalid	ND	10.00 ppm	0.020 I 0.061 I ±0.061 ppm	PASS
S	Carbaryl	ND	0.50 ppm	0.008   0.024   ±0.024 ppm	PASS
S	Carbofuran	ND	0.00 ppm	0.002 I 0.005 I ±0.005 ppm	PASS
Q	Chloantraniliprole	ND	40.00 ppm	0.019 ! 0.058 I ±0.058 ppm	PASS
Z	Chlorfenapyr	ND	0.00 ppm	0.005   0.015   ±0.015 ppm	PASS
0	Chlorpyrifos	ND	0.00 ppm	0.040   0.120   ±0.120 ppm	PASS
, <del></del>	Clofentezine	ND	0.50 ppm	0.007   0.022   ±0.022 ppm	PASS
Ш	Coumaphos	ND	0.00 ppm	0.005   0.015   ±0.015 ppm	PASS
×	Cyfluthrin	ND	1.00 ppm	0.007   0.022   ±0.022 ppm	PASS
9	Cypermethrin	ND	1.00 ppm	0.005   0.015   ±0.015 ppm	PASS
Ψ.	Daminozide	ND	0.00 ppm	0.027   0.082   ±0.082 ppm	PASS
E	Dichlorvos	ND	0.00 ppm	0.014 I 0.042 I ±0.042 ppm	PASS
Щ	Diazinon	ND	0.20 ppm	0.001 I 0.003 I ± 0.003 ppm	PASS
0	Dimethoate	ND	0.00 ppm	0.002   0.006   ±0.006 ppm	PASS
6	Etoxazole	ND	1.50 ppm	0.004   0.011   ±0.011 ppm	PASS
E	Fenoxycarb	ND	0.00 ppm	0.003   0.010   ±0.010 ppm	PASS
\$	Fenpyroximate	ND	2.00 ppm	0.001 I 0.003 I ±0.003 ppm	PASS
-	Fipronil	ND	0.00 ppm	0.007   0.022   ±0.022 ppm	PASS
S	Flonicamid	ND	2.00 ppm	0.097   0.291   ±0.291 ppm	PASS
$\leq$	Fludioxonil	ND	30.00 ppm	0.006   0.019   ±0.019 ppm	PASS
5	Hexythiazox	ND	2.00 ppm	0.001 I 0.003 I ±0.003 ppm	PASS
à	lmazalil	ND	0.00 ppm	0.006   0.019   ±0.019 ppm	PASS
₹	Imidacloprid	ND	3.00 ppm	0.001 I 0.003 I ±0.003 ppm	PASS
2	Malathion	ND	5.00 ppm	0.005   0.015   ±0.015 ppm	PASS
ш	Metalaxyl	ND	15.00 ppm	0.007   0.022   ±0.022 ppm	PASS
A	Methiocarb	ND	0.00 ppm	0.004 I 0.011 I ±0.011 ppm	PASS
3	Methomyl	ND	0.10 ppm	0.001 I 0.002 I ±0.002 ppm	PASS
	Methyl parathion	ND	0.00 ppm	0.001   0.003   ±0.003 ppm	PASS
UT.	Mevinphos	ND	0.00 ppm	0.005   0.015   ±0.015 ppm	PASS
5	Myclobutanil	ND	9.00 ppm	0.001 I 0.003 I ±0.003 ppm	PASS
1	Naled	ND	0.50 ppm	0.005   0.015   ±0.015 ppm	PASS
III	Oxamyl	ND	0.20 ppm	0.002 I 0.007 I ±0.007 ppm	PASS
ECURITY FEATURE:	Paclobutrazol	ND	0.00 ppm	0.003 I 0.008 I ±0.008 ppm	PASS
7	Permethrin	ND	20.00 ppm	0.010 I 0.029 I ±0.029 ppm	PASS
œ	Phosmet	ND	0.20 ppm	0.003   0.009   ±0.009 ppm	PASS
$\Xi$	Piperonylbutoxide	ND	8.00 ppm	0.010   0.030   ±0.030 ppm	PASS
O	Prallethrin	ND	0.40 ppm	0.004   0.011   ±0.011 ppm	PASS
S	Propiconazole	ND	20.00 ppm	0.004 I 0.011 I ±0.011 ppm	PASS
	Despera	AID	0.00	0.00010.0171.0.017	DAGG

Certified by:

Kyle Larson, MSc Deputy Director

Jacob Harris QA Manager

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Propoxur

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Stillwater Laboratories Inc. MT License L0001, L00007 6073 US93N Suite 5, Olney MT 59927 406-881-2019 INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

0.00 ppm

ND

• All testing was completed onsite at 6073 US93N, Olney MT ·· Potency (cannabinoid concentration) is calcuated as: [cannabioid] = [cannabinoid]<sub>HPLC</sub> x volume<sub>dibulon</sub>/m<sub>dry</sub>. ··· Decarboxyted cannabinoid concentration is calculated XXX<sub>lotal</sub> = 0.877 x XXXa + XXX ···· Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection (3.3s.). LOQ is the limit of estimate of entrol mention. CODs in elimit of election (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula  $\mathbf{s_g}^2 = \sum (\partial i \partial i)^2 \mathbf{s_i}^2$  where i is the contributor to error. The 95% confidence range is calculated from: (concentration)  $\pm \mathbf{t_{CI 90}} \times \mathbf{s_g}$ . Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable.  $\ddagger$  = decarbed

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# **Analytical Report**

Report Date: 04/13/2021

Work Order: CHSG210407-023 Received Date: 04/07/2021

P.O. #:

Comments:

Sample Num: 21CH03277

Client Sample Num: Nano BS 25mg Curcumin

Comments:

Lot Number: 21211

<u>Analysis</u>	Method Reference	Result	Unit	Analysis Date	Approval Date
Curcuminoid- Bis-demethoxycurcumin	AOAC 2016.16	0.189	mg/svg	04/13/2021	04/13/2021
Curcuminoid- Curcumin	AOAC 2016.16	10.45	mg/svg	04/13/2021	04/13/2021
Curcuminoid- Demethoxycurcumin	AOAC 2016.16	1.40	mg/svg	04/13/2021	04/13/2021
Curcuminoid- Total Curcuminoids	AOAC 2016.16	12.04	mg/svg	04/13/2021	04/13/2021

Reviewed by:

Cheri Turman, PhD., Vice President

certificate ID

1FA07



#### SG25C

21147B

rec'd 6/1/2021 12:23:58 PM

per

order 10901

This Product Has Been Tested and Complies with 7USC1639o(1) Stillwater Laboratories

**7USC1639 Certificate of Analysis** 



per

Microbial	MSP-7.5.1.10	limit	LOD LOQ error	result
E.coli Salmonella sp.	ND ND	0CFU 0CFU	0.1   0.2   ±0.2CFU 0.1   0.2   ±0.2CFU	PASS PASS
molds	17CFU	10000CFU	2.8   8.3   ±11.0CFU	PASS

Certified by:

May 1900

lack Haine

Jacob Harris QA Manager

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MATCH CERTIFICATE ID AND ISSUE DATE

SECURITY FEATURE: WATERMARK MUST

https://customer.a2la.org/index.cfm?event= directory.detail&labPID=423635B2-5128-4C 6F-871A-419DCF43B0D7

Stillwater Laboratories Inc. MT License L0001, L00007 6073 US93N Suite 5, Olney MT 59927 406-881-2019 INSTRUMENTS: Potency by HPLC (LC2030C-UV), solvents and terpenes by GCMS (QP2020/HS20), pesticides and mycotoxins by LCMSMS (LC8060), microbial by qPCR (AriaMx) and plating (Hardy Diagnostics), metals by ICPMS (ICPMS-2030)

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated as: [cannabioid] = [cannabinoid]\_HPLC x volume\_diludion/fingly, ••• Decarboxyted cannabinoid concentration is calculated XXX $_{lotal}$  = 0.877 x XXXa + XXX ••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection (3.3s,), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula  $s_g^2 = \sum_i (\partial l/\partial i)^2 s_i^2$  where i is the contributor to error. The 95% confidence range is calculated from: (concentration)  $\pm$  t<sub>CL90</sub> x s<sub>g</sub>. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable.  $\ddagger$  = decarbed