## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME:** CBD Softgels with Curcumin

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

FILL LOT NUMBER: 21143 SOFTGEL LOT NUMBER: 21096A

**BEST BY DATE:** 09/03/2022

## \*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.	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	Panel Method Specification		Results*	Pass/Fail
Potency - Total CBD	SOP-111	25-31.25 mg CBD LOQ**: 10 PPM† (0.001%)	28 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 <b>Below LOQ</b>		PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62 Below LOQ		PASS
Microbial - Yeast and Mold	SOP-111	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 Kei Horikawa 04/13/2021

Kei Horikawa Date

Quality Control Manager

#### Nano BS Curcumin 25mg

## **7USC1639 Certificate of Analysis**



Lot# 21143

rec'd 3/5/2021 11:34:16 AM

total cannabinoids

29.2mg per pill order 10005

THC tot ND CBD tot 28.0mg This Product Has Been **Tested and Complies** with 7USC1639o(1)

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Potency per	pill	MSP-7.5.1.4	err LOD LOQ (95%C	or I k=2)		Terpenes		MSF	P-7.5.1.6
total ca	nnabinoids	s 29.2mg	0.15   0.46   ±0.6	9mg				total terpenes	ND
	total THC:			6mg		caryophyllene	-	linalool	ND
total THC (1	THC+THCa	) ND	0.15   0.46   ±0.4	6mg		No. of the second second second second		β-myrcene	ND
	total CBD:	: 28.0mg	0.15   0.46   ±0.6	8mg		humulene	-A	D-limonene	ND
total CBD (C	BD+CBDa	) 28.0mg	0.15   0.46   ±0.6	8mg		terpinolene		α-pinene	ND ND
tatrahudraaannah ali	a a aid /TUCa	) ND		2000		ocimene	577	β-pinene ocimene	ND
tetrahydrocannabolio								terpinolene	ND
Δ9-tetrahydrocannab		/	0.1.1.0.10.120.			beta pinene	80	a-humulene	ND
Δ8-tetrahydrocannabi tetrahydrocannab						alpha pinene	280	β-caryophyllene	ND
cannabidiolic		,				limonene	On	α-bisabolol	ND ND
	abidiol (CBD)						8	camphene Δ3-carene	ND
	ivarin (CBDv					myrcene	60	caryophyllene oxide	ND
cannabigerolic						linalool	8	para-cymene	ND
	pigerol (CBG)						$\omega$	eucalyptol	ND
	abinol (CBN)							geraniol	ND
	omene (CBC)							guaiol	ND
Microbial	MSP-7.5.1.10	limit	LOD LOQ error	result	Pesticides	MSP-7.5.1.8	limit	LOD LOQ error	result
E.coli	ND	0CFU	0.0   0.1   ±0.1CFU	PASS	Abamectin	ND	0.30 ppm	0.007 I 0.022 I ±0.022 ppm	PASS
Salmonella sp.	ND	0CFU	0.0   0.1   ±0.1CFU	PASS	Acephate	ND	5.00 ppm	0.008   0.023   ±0.023 ppm	PASS
molds	ND	10000CFU	1.7   5.0   ±5.0CFU	PASS	Acequinocyl	ND	4.00 ppm	0.007   0.020   ±0.020 ppm	PASS
Ochratoxin A	ND	20 ppb	0.4   1.3   ±1.3 ppb	PASS	Acetamiprid Aldicarb	ND ND	5.00 ppm 0.00 ppm	0.005   0.016   ±0.016 ppm 0.002   0.006   ±0.006 ppm	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	0.4   1.3   ±1.3 ppb	PASS			40.00 ppm	0.002   0.006   ±0.006 ppm	PASS
Solvents	MSP-7.5.1.7	limit	LOD LOQ error	result	Azoxystrobin Bifenazate Bifenthrin	ND	5.00 ppm	0.002   0.005   ±0.005 ppm	PASS
						ND	0.50 ppm	0.001 I 0.003 I ±0.003 ppm	PASS
Acetone Acetonitrile	ND ND	5000 ppm 410 ppm	0.6   1.8   ±1.8 ppm 0.5   1.6   ±1.6 ppm	PASS	Boscalid Carbaryl Carbofuran Chloantranili Chlorfenapyi Chlorpeniyifos Clofentezine	ND	10.00 ppm	0.021   0.064   ±0.064 ppm	PASS
Benzene	ND	0 ppm	0.0   0.1   ±0.1 ppm	PASS	Carbaryl	ND ND	0.50 ppm	0.008   0.025   ±0.025 ppm	PASS
Butane	ND	5000 ppm	1.3   3.8   ±3.8 ppm	PASS			0.00 ppm 40.00 ppm	0.002   0.005   ±0.005 ppm 0.020   0.061   ±0.061 ppm	PASS
Chloroform	ND	0 ppm	0.1   0.2   ±0.2 ppm	PASS	Z Chlorfenapyr	ND ND	0.00 ppm	0.005   0.016   ±0.016 ppm	PASS
Cyclohexane	ND	0 ppm	0.5   1.4   ±1.4 ppm	PASS		ND	0.00 ppm	0.042   0.127   ±0.127 ppm	PASS
Ethanol	8 ppm	10000 ppm	0.6   1.9   ±2.1 ppm	PASS	☐ Clofentezine	ND	0.50 ppm	0.008   0.023   ±0.023 ppm	PASS
Heptane Hexane	ND ND	5000 ppm 290 ppm	0.4   1.1   ±1.1 ppm 0.5   1.4   ±1.4 ppm	PASS PASS	Ш Coumaphos	ND	0.00 ppm	0.005   0.016   ±0.016 ppm	PASS
Isopropyl alcohol	ND	5000 ppm	0.6   1.7   ±1.7 ppm	PASS		ND ND	1.00 ppm 1.00 ppm	0.008   0.023   ±0.023 ppm 0.005   0.016   ±0.016 ppm	PASS PASS
Methanol	ND	3000 ppm	0.5   1.4   ±1.4 ppm	PASS	□ Daminozide	ND	0.00 ppm	0.029   0.086   ±0.086 ppm	PASS
Pentane	ND	5000 ppm	0.2 I 0.5 I ±0.5 ppm	PASS	Dichlorvos	ND	0.00 ppm	0.015 I 0.044 I ±0.044 ppm	PASS
Propane	ND	5000 ppm	0.5   1.4   ±1.4 ppm	PASS	Diazinon	ND	0.20 ppm	0.001 I 0.004 I ±0.004 ppm	PASS
Toluene Xylenes	ND ND	890 ppm 2170 ppm	0.3   0.8   ±0.8 ppm 0.3   0.9   ±0.9 ppm	PASS	Dimethoate	ND	0.00 ppm	0.002   0.006   ±0.006 ppm	PASS
Aylorios	ND	Z170 ppiii	0.5 1 0.9 1 ±0.9 ppm	FASS	Etoxazole Fenoxycarb	ND ND	1.50 ppm 0.00 ppm	0.004   0.012   ±0.012 ppm 0.004   0.011   ±0.011 ppm	PASS PASS
					∀ Fenpyroxima		2.00 ppm	0.001 I 0.004 I ±0.004 ppm	PASS
					Fipronil	ND	0.00 ppm	0.008   0.023   ±0.023 ppm	PASS
Matala			5 22 20		UL Coumaphos Cyfluthrin Cypermethrii Daminozide Dichlorvos Diazinon Dimethoate Etoxazole Etoxazole Fenoxycarb	ND	2.00 ppm	0.102   0.307   ±0.307 ppm	PASS
Metals	MSP-7.5.1.11	limit	LOD LOQ error	result	Fludioxonil	ND	30.00 ppm	0.007   0.020   ±0.020 ppm	PASS
Arsenic	ND	1500 ppb	2.5   7.5   ±7.5 ppb	PASS		ND ND	2.00 ppm 0.00 ppm	0.001   0.003   ±0.003 ppm 0.007   0.020   ±0.020 ppm	PASS
Cadmium	ND	500 ppb	2.7   8.0   ±8.0 ppb	PASS	⊻ Imidacloprid	ND	3.00 ppm	0.001 I 0.004 I ±0.004 ppm	PASS
Lead	ND	500 ppb	4.2   12.5   ±12.5 ppb	PASS	Malathion	ND	5.00 ppm	0.005   0.016   ±0.016 ppm	PASS
Mercury	ND	300 ppb	2.1   6.3   ±6.3 ppb	PASS	ய் Metalaxyl	ND	15.00 ppm	0.008   0.024   ±0.024 ppm	PASS
Pesticides	MSP-7.5.1.8	liesit	100 100		Methiocarb	ND	0.00 ppm	0.004   0.011   ±0.011 ppm	PASS
		limit	LOD LOQ error	result	Methomyl Methyl parati	ND nion ND	0.10 ppm 0.00 ppm	0.001   0.002   ±0.002 ppm 0.001   0.003   ±0.003 ppm	PASS
Pyrethrin		1.00 ppm	0.003 I 0.008 I ±0.008 ppm	PASS	Mevinphos Myclobutanil Naled Oxamyl Paclobutrazo	ND ND	0.00 ppm	0.005 i 0.016 i ±0.016 ppm	PASS
Pyridaben			0.001 I 0.003 I ±0.003 ppm	PASS	5 Myclobutanil	ND	9.00 ppm	0.001 I 0.003 I ±0.003 ppm	PASS
Spinetoram Spinosad			0.004   0.011   ±0.011 ppm 0.007   0.020   ±0.020 ppm	PASS	Naled .	ND	0.50 ppm	0.005   0.016   ±0.016 ppm	PASS
Spiromesifen			0.007   0.020   ±0.020 ppm	PASS	☐ Oxamyl	ND	0.20 ppm	0.002   0.007   ±0.007 ppm	PASS
Spirotetramat			0.002 I 0.007 I ±0.007 ppm	PASS	Paclobutrazo Permethrin	I ND ND	0.00 ppm	0.003   0.009   ±0.009 ppm	PASS
Spiroxamine	ND	0.00 ppm	0.001 I 0.003 I ±0.003 ppm	PASS	Permethin	ND ND	20.00 ppm 0.20 ppm	0.010   0.031   ±0.031 ppm 0.003   0.009   ±0.009 ppm	PASS
Tebuconazole			0.005   0.016   ±0.016 ppm	PASS	☐ Piperonylbute		8.00 ppm	0.011   0.032   ±0.032 ppm	PASS
	NID	0.10 ppm	0.001 I 0.003 I ±0.003 ppm	PASS	Prallethrin	ND			
Thiacloprid					Pranethin		0.40 ppm	0.004   0.012   ±0.012 ppm	PASS
	ND	4.50 ppm	0.003   0.009   ±0.009 ppm 0.002   0.007   ±0.007 ppm	PASS PASS	Permethrin Phosmet Piperonylbute Prallethrin Propiconazol Propoxur		20.00 ppm 0.00 ppm	0.004   0.012   ±0.012 ppm 0.004   0.012   ±0.012 ppm 0.006   0.018   ±0.018 ppm	PASS PASS

Certified by:

Kyle Larson, MSc

Deputy Director

QA Manager

Jacob Harris

ACCREDITED Certificate #4961.01

ISO/IEC 17025:2017

https://portal.a2la.org/ scopepdf/4961-01.pdf

Stillwater Laboratories Inc.

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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]\_{HPLO} x. volume\_statuon/mlagy · · · · Decarboxyted cannabinoid concentration is calculated XXX\_total = 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  $\mathbf{s}_g^2 = \sum (\partial f \partial i)^2 \mathbf{s}_g^2$  where i is the contributor to error. The 95% confidence range is calculated from: (concentration)  $\pm \mathbf{t}_{Q,90}$  x  $\mathbf{s}_g$ . Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable.  $\ddagger$  = decarbed



# **Analytical Report**

Lot Number: 21143

1309 Record Crossing Rd Dallas, TX 75235

Report Date: 03/10/2021

Work Order: CHSG210304-032

**Received Date: 03/04/2021** 

P.O. #:

**Comments:** 

Sample Num: 21CH02105

**Client Sample Num:** BS 25mg Curcumin

**Comments:** 

<u>Analysis</u>	Method Reference	Result	Unit	Analysis Date	Approval Date
Curcuminoid- Bis-demethoxycurcumin	AOAC 2016.16	0.127	mg/svg	03/10/2021	03/10/2021
Curcuminoid- Curcumin	AOAC 2016.16	10.08	mg/svg	03/10/2021	03/10/2021
Curcuminoid- Demethoxycurcumin	AOAC 2016.16	1.15	mg/svg	03/10/2021	03/10/2021
Curcuminoid- Total Curcuminoids	AOAC 2016.16	11.36	mg/svg	03/10/2021	03/10/2021

Reviewed by:

Cheri Turman, PhD., Vice President

certificate ID

1DG23



### SG25C

Lot# 21096A

rec'd 4/8/2021 12:51:59 PM

order 10374

## **R Certificate of Analysis**

Stillwater Laboratories



Microbial	MSP-7.5.1.10	limit	LOD LOQ error	result
E.coli Salmonella sp.	ND ND	NL NL	0.1   0.2   ±0.2CFU 0.1   0.2   ±0.2CFU	NA NA
molds	ND	NL	2.9   8.8   ±8.8CFU	NA

Metals

MSP-7.5.1.11

LOD

error

WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

SECURITY FEATURE:

Certified by:

Kyle Larson, MSc

Deputy Director

Jad- Paux

Jacob Harris QA Manager

ISO/IEC 17025:2017 ACCREDITED Certificate #4961.01

https://portal.a2la.org/ scopepdf/4961-01.pdf

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)

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