

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD Softgels
PRODUCT STRENGTH: 25 mg
FILL LOT NUMBER: 21113A
SOFTGEL LOT NUMBER: [21090LL1](#)
BEST BY DATE: 08/18/2022

Click on the links to view third party reports!

Physical Attributes

Test	Method	Specification	Results
Color	SOP-100	Golden to Amber	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 band 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	23.75-31.25 mg CBD LOQ**: 10 PPM† (0.001%)	27.8 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 - Total Plate Count	SOP-111	Complies with USP 61/62	BELOW LOD	PASS
Microbial -Yeast and Mold	SOP-111	Complies with USP 61/62	BELOW LOD	PASS
Microbial - Coliforms and bacteria (including Ecoli and Salmonella)	SOP-111	Complies with USP 61/62	BELOW LOD	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

* Level of Quantitation, † Parts Per Million

Quality Certified by:


 Kayla Kolber
 Quality Assurance Technician

5/3/2021

Date

certificate ID
1BM60

Nano Softgels 25mg

7USC1639 Certificate of Analysis



Lot# 21090L11

rec'd 2/16/2021 12:56:01 PM

order 9845

total
cannabinoids

28.6mg

per

THC tot ND

CBD tot 27.8mg

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

Stillwater
Laboratories



Potency per capsule	MSP-7.5.1.4	LOD	LOQ	error (95%CI k=2)
total cannabinoids	28.6mg	0.15	0.46	±0.69mg
total THC‡	ND	0.15	0.46	±0.46mg
total THC (THC+THCa)	ND	0.15	0.46	±0.46mg
total CBD‡	27.8mg	0.15	0.46	±0.68mg
total CBD (CBD+CBDA)	27.8mg	0.15	0.46	±0.68mg
tetrahydrocannabinolic acid (THCa)	ND	0.16	0.47	±0.47mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.15	0.44	±0.44mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.20	0.59	±0.59mg
tetrahydrocannabivarin (THCv)	ND	0.16	0.49	±0.49mg
cannabidiolic acid (CBDA)	ND	0.13	0.40	±0.40mg
cannabidiol (CBD)	27.8mg	0.15	0.46	±0.68mg
cannabidiol (CBD)	27.8mg	0.15	0.46	±0.68mg
cannabidiol (CBDv)	ND	0.15	0.46	±0.46mg
cannabigerolic acid (CBGA)	ND	0.14	0.41	±0.41mg
cannabigerol (CBG)	0.5mg	0.09	0.26	±0.26mg
cannabinol (CBN)	ND	0.08	0.25	±0.25mg
cannabichromene (CBC)	<LOQ	0.15	0.46	±0.46mg

Microbial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli	ND	0CFU	0.0	10.1	±0.1CFU	PASS
Salmonella sp.	ND	0CFU	0.0	10.1	±0.1CFU	PASS
molds	ND	10000CFU	1.7	15.0	±5.0CFU	PASS
Ochratoxin A	ND	20 ppb	0.5	1.4	±1.4 ppb	PASS
Aflatoxin B1B2G1G2	ND	20 ppb	0.5	1.4	±1.4 ppb	PASS

Solvents	MSP-7.5.1.7	limit	LOD	LOQ	error	result
Acetone	ND	5000 ppm	0.7	2.0	±2.0 ppm	PASS
Acetonitrile	ND	410 ppm	0.6	1.8	±1.8 ppm	PASS
Benzene	ND	0 ppm	0.0	1.0	±0.1 ppm	PASS
Butane	ND	5000 ppm	1.3	4.0	±4.0 ppm	PASS
Chloroform	ND	0 ppm	0.1	0.2	±0.2 ppm	PASS
Cyclohexane	ND	0 ppm	0.5	1.5	±1.5 ppm	PASS
Ethanol	ND	10000 ppm	0.7	2.0	±2.0 ppm	PASS
Heptane	ND	5000 ppm	0.4	1.2	±1.2 ppm	PASS
Hexane	ND	290 ppm	0.5	1.5	±1.5 ppm	PASS
Isopropyl alcohol	ND	5000 ppm	0.6	1.8	±1.8 ppm	PASS
Methanol	ND	3000 ppm	0.5	1.5	±1.5 ppm	PASS
Pentane	ND	5000 ppm	0.2	0.5	±0.5 ppm	PASS
Propane	ND	5000 ppm	0.5	1.5	±1.5 ppm	PASS
Toluene	ND	890 ppm	0.3	0.9	±0.9 ppm	PASS
Xylenes	ND	2170 ppm	0.3	1.0	±1.0 ppm	PASS

Metals	MSP-7.5.1.11	limit	LOD	LOQ	error	result
Arsenic	ND	1500 ppb	0.6	1.7	±1.7 ppb	PASS
Cadmium	ND	500 ppb	0.6	1.9	±1.9 ppb	PASS
Lead	ND	500 ppb	1.0	2.9	±2.9 ppb	PASS
Mercury	ND	300 ppb	0.5	1.5	±1.5 ppb	PASS

Pesticides	MSP-7.5.1.8	limit	LOD	LOQ	error	result
Pyrethrin	ND	1.00 ppm	0.003	0.009	±0.009 ppm	PASS
Pyridaben	ND	3.00 ppm	0.001	0.003	±0.003 ppm	PASS
Spinetoram	ND	3.00 ppm	0.004	0.011	±0.011 ppm	PASS
Spinosad	ND	3.00 ppm	0.007	0.022	±0.022 ppm	PASS
Spiromesifen	ND	12.00 ppm	0.003	0.010	±0.010 ppm	PASS
Spirotetramat	ND	13.00 ppm	0.003	0.008	±0.008 ppm	PASS
Spiroxamine	ND	0.00 ppm	0.001	0.003	±0.003 ppm	PASS
Tebuconazole	ND	2.00 ppm	0.006	0.017	±0.017 ppm	PASS
Thiacloprid	ND	0.10 ppm	0.001	0.004	±0.004 ppm	PASS
Thiamethoxam	ND	4.50 ppm	0.003	0.010	±0.010 ppm	PASS
Trifloxystrobin	ND	30.00 ppm	0.003	0.008	±0.008 ppm	PASS

Pesticides	MSP-7.5.1.8	limit	LOD	LOQ	error	result
Abamectin	ND	0.30 ppm	0.008	0.024	±0.024 ppm	PASS
Acephate	ND	5.00 ppm	0.008	0.025	±0.025 ppm	PASS
Acequinocyl	ND	4.00 ppm	0.007	0.021	±0.021 ppm	PASS
Acetamiprid	ND	5.00 ppm	0.006	0.017	±0.017 ppm	PASS
Aldicarb	ND	0.00 ppm	0.002	0.007	±0.007 ppm	PASS
Azoxystrobin	ND	40.00 ppm	0.002	0.007	±0.007 ppm	PASS
Bifenazate	ND	5.00 ppm	0.002	0.005	±0.005 ppm	PASS
Bifenthrin	ND	0.50 ppm	0.001	0.003	±0.003 ppm	PASS
Boscalid	ND	10.00 ppm	0.023	0.069	±0.069 ppm	PASS
Carbaryl	ND	0.50 ppm	0.009	0.027	±0.027 ppm	PASS
Carbofuran	ND	0.00 ppm	0.002	0.006	±0.006 ppm	PASS
Chloanthraniliprole	ND	4.00 ppm	0.022	0.066	±0.066 ppm	PASS
Chlorfenapyr	ND	0.00 ppm	0.006	0.018	±0.018 ppm	PASS
Chlorpyrifos	ND	0.00 ppm	0.046	0.137	±0.137 ppm	PASS
Clofentezine	ND	0.50 ppm	0.008	0.025	±0.025 ppm	PASS
Coumaphos	ND	0.00 ppm	0.006	0.018	±0.018 ppm	PASS
Cyfluthrin	ND	1.00 ppm	0.008	0.025	±0.025 ppm	PASS
Cypermethrin	ND	1.00 ppm	0.006	0.018	±0.018 ppm	PASS
Daminozide	ND	0.00 ppm	0.031	0.094	±0.094 ppm	PASS
Dichlorvos	ND	0.00 ppm	0.016	0.048	±0.048 ppm	PASS
Diazinon	ND	0.20 ppm	0.001	0.004	±0.004 ppm	PASS
Dimethoate	ND	0.00 ppm	0.002	0.007	±0.007 ppm	PASS
Etoxazole	ND	1.50 ppm	0.004	0.013	±0.013 ppm	PASS
Fenoxycarb	ND	0.00 ppm	0.004	0.012	±0.012 ppm	PASS
Fenpyroximate	ND	2.00 ppm	0.001	0.004	±0.004 ppm	PASS
Fipronil	ND	0.00 ppm	0.008	0.025	±0.025 ppm	PASS
Flonicamid	ND	2.00 ppm	0.111	0.332	±0.332 ppm	PASS
Fludioxonil	ND	30.00 ppm	0.007	0.022	±0.022 ppm	PASS
Hexythiazox	ND	2.00 ppm	0.001	0.003	±0.003 ppm	PASS
Imazail	ND	0.00 ppm	0.007	0.022	±0.022 ppm	PASS
Imidacloprid	ND	3.00 ppm	0.001	0.004	±0.004 ppm	PASS
Malathion	ND	5.00 ppm	0.006	0.017	±0.017 ppm	PASS
Metalaxyl	ND	15.00 ppm	0.008	0.025	±0.025 ppm	PASS
Methiocarb	ND	0.00 ppm	0.004	0.012	±0.012 ppm	PASS
Methomyl	ND	0.10 ppm	0.001	0.002	±0.002 ppm	PASS
Methyl parathion	ND	0.00 ppm	0.001	0.004	±0.004 ppm	PASS
Mevinphos	ND	0.00 ppm	0.006	0.018	±0.018 ppm	PASS
Myclobutanil	ND	9.00 ppm	0.001	0.003	±0.003 ppm	PASS
Naled	ND	0.50 ppm	0.006	0.018	±0.018 ppm	PASS
Oxamyl	ND	0.20 ppm	0.003	0.008	±0.008 ppm	PASS
Paclobutrazol	ND	0.00 ppm	0.003	0.009	±0.009 ppm	PASS
Permethrin	ND	20.00 ppm	0.011	0.034	±0.034 ppm	PASS
Phosmet	ND	0.20 ppm	0.003	0.010	±0.010 ppm	PASS
Piperonylbutoxide	ND	8.00 ppm	0.011	0.034	±0.034 ppm	PASS
Prallethrin	ND	0.40 ppm	0.004	0.013	±0.013 ppm	PASS
Propiconazole	ND	20.00 ppm	0.004	0.013	±0.013 ppm	PASS
Propoxur	ND	0.00 ppm	0.006	0.019	±0.019 ppm	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

QA Manager

Kyle Larson, MSc
Deputy Director

Jacob Harris



ISO/IEC 17025:2017



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)

All testing was completed onsite at 6073 US93N, Olney MT. Potency (cannabinoid concentration) is calculated as: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution}/m_{dry}. ... Decarboxylated 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 s_y² = Σ (df/di)²s_i² where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t_{c,95} x s_y. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

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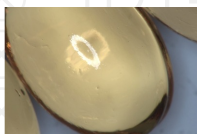
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7USC1639 Certificate of Analysis

Lot# 21113A

rec'd 4/28/2021 4:22:50 PM

order 10605



per

per

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

Stillwater Laboratories



Microbial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli	ND	OCFU	0.1	0.2	±0.2CFU	PASS
Salmonella sp.	ND	OCFU	0.1	0.2	±0.2CFU	PASS
molds	ND	10000CFU	3.2	9.6	±9.6CFU	PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Kyle Larson, MSC
Deputy Director

Jacob Harris
QA Manager



https://customer.a2la.org/index.cfm?event=directory_detail&labPID=423635B2-5128-4C6F-871A-419DCF43B0D7

Stillwater Laboratories Inc.
MT License L0001, L00007
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