

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD Softgels
PRODUCT STRENGTH: 10 mg
LOT NUMBER: 21106B
BEST BY DATE: 09/04/2022
SOFTGEL LOT NUMBER: 21145

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 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	9.5-12.5 mg CBD LOQ*: 10 PPM† (0.001%)	11.1 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 Softgels, Oregon Action limits apply	ND	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	BELOW LOD	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	BELOW LOD	PASS
Microbial - Yeast/Mold	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: Kei Horikawa 04/21/2021
 Kei Horikawa Date
 Quality Control Manager

certificate ID
1CG16

Nano BS 10mg

7USC1639 Certificate of Analysis

Lot# 21145

rec'd 3/8/2021 12:03:20 PM

order 10027



total cannabinoids

11.5mg

THC tot ND

per Caps CBD tot 11.1mg

This Product Has Been Tested and Complies with 7USC1639(1)

Stillwater Laboratories



Potency per Caps	MSP-7.5.1.4	LOD	LOQ	error (95%CI k=2)
total cannabinoids	11.5mg	0.04	0.12	±0.33mg
total THC‡	ND	0.04	0.12	±0.12mg
total THC (THC+THCa)	ND	0.04	0.12	±0.12mg
total CBD‡	11.1mg	0.04	0.12	±0.32mg
total CBD (CBD+CBDA)	11.1mg	0.04	0.12	±0.32mg
tetrahydrocannabinolic acid (THCa)	ND	0.04	0.13	±0.13mg
Δ9-tetrahydrocannabinol (Δ9 THC)	ND	0.04	0.12	±0.12mg
Δ8-tetrahydrocannabinol (Δ8 THC)	ND	0.05	0.16	±0.16mg
tetrahydrocannabivarin (THCv)	ND	0.04	0.13	±0.13mg
cannabidiolic acid (CBDA)	<LOQ	0.04	0.11	±0.11mg
cannabidiol (CBD)	11.0mg	0.04	0.13	±0.32mg
cannabidivarin (CBDv)	ND	0.04	0.12	±0.13mg
cannabigerolic acid (CBGA)	ND	0.04	0.11	±0.11mg
cannabigerol (CBG)	0.3mg	0.01	0.04	±0.04mg
cannabinol (CBN)	ND	0.02	0.07	±0.07mg
cannabichromene (CBC)	ND	0.04	0.12	±0.12mg

Terpenes	MSP-7.5.1.6	total terpenes	ND
caryophyllene		linalool	ND
humulene		β-myrcene	ND
terpinolene		D-limonene	ND
ocimene		α-pinene	ND
beta pinene		β-pinene	ND
alpha pinene		ocimene	ND
limonene		terpinolene	ND
myrcene		α-humulene	ND
linalool		β-caryophyllene	ND
		α-bisabolol	ND
		camphene	ND
		Δ3-carene	ND
		caryophyllene oxide	ND
		para-cymene	ND
		eucalyptol	ND
		geraniol	ND
		guaial	ND

Microbial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli	ND	OCFU	0.0	1.0	±1.0	CFU PASS
Salmonella sp.	ND	OCFU	0.0	1.0	±1.0	CFU PASS
molds	ND	10000CFU	1.7	5.0	±5.0	CFU PASS
Ochratoxin A	ND	20 ppb	0.6	1.7	±1.7	ppb PASS
Aflatoxin B1B2G1G2	ND	20 ppb	0.6	1.7	±1.7	ppb PASS

Pesticides	MSP-7.5.1.8	limit	LOD	LOQ	error	result
Abamectin	ND	0.30 ppm	0.010	0.029	±0.029	ppm PASS
Acephate	ND	5.00 ppm	0.010	0.030	±0.030	ppm PASS
Acequinocyl	ND	4.00 ppm	0.009	0.026	±0.026	ppm PASS
Acetamiprid	ND	5.00 ppm	0.007	0.021	±0.021	ppm PASS
Aldicarb	ND	0.00 ppm	0.003	0.008	±0.008	ppm PASS
Azoxystrobin	<LOQ	40.00 ppm	0.003	0.008	±0.008	ppm PASS
Bifenazate	ND	5.00 ppm	0.002	0.006	±0.006	ppm PASS
Bifenthrin	ND	0.50 ppm	0.001	0.003	±0.003	ppm PASS
Boscalid	ND	10.00 ppm	0.028	0.084	±0.084	ppm PASS
Carbaryl	ND	0.50 ppm	0.011	0.033	±0.033	ppm PASS
Carbofuran	ND	0.00 ppm	0.002	0.007	±0.007	ppm PASS
Chloanthraniliprole	ND	40.00 ppm	0.027	0.080	±0.080	ppm PASS
Chlorfenapyr	ND	0.00 ppm	0.007	0.021	±0.021	ppm PASS
Chlorpyrifos	ND	0.00 ppm	0.055	0.166	±0.166	ppm PASS
Clofentazine	ND	0.50 ppm	0.010	0.030	±0.030	ppm PASS
Coumaphos	ND	0.00 ppm	0.007	0.021	±0.021	ppm PASS
Cyfluthrin	ND	1.00 ppm	0.010	0.030	±0.030	ppm PASS
Cypermethrin	ND	1.00 ppm	0.007	0.021	±0.021	ppm PASS
Daminozide	ND	0.00 ppm	0.038	0.113	±0.113	ppm PASS
Dichlorvos	ND	0.00 ppm	0.019	0.058	±0.058	ppm PASS
Diazinon	ND	0.20 ppm	0.002	0.005	±0.005	ppm PASS
Dimethoate	ND	0.00 ppm	0.003	0.009	±0.009	ppm PASS
Etoxazole	ND	1.50 ppm	0.005	0.015	±0.015	ppm PASS
Fenoxycarb	ND	0.00 ppm	0.005	0.014	±0.014	ppm PASS
Fenpyroximate	ND	2.00 ppm	0.002	0.005	±0.005	ppm PASS
Fipronil	ND	0.00 ppm	0.010	0.031	±0.031	ppm PASS
Flonicamid	ND	2.00 ppm	0.134	0.402	±0.402	ppm PASS
Fludioxonil	ND	30.00 ppm	0.009	0.027	±0.027	ppm PASS
Hexythiazox	ND	2.00 ppm	0.001	0.004	±0.004	ppm PASS
Imazalil	ND	0.00 ppm	0.009	0.027	±0.027	ppm PASS
Imidacloprid	ND	3.00 ppm	0.002	0.005	±0.005	ppm PASS
Malathion	ND	5.00 ppm	0.007	0.021	±0.021	ppm PASS
Metaxalyl	ND	15.00 ppm	0.010	0.031	±0.031	ppm PASS
Methiocarb	ND	0.00 ppm	0.005	0.015	±0.015	ppm PASS
Methylol	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	0.007	0.021	±0.021	ppm PASS
Myclobutanil	ND	9.00 ppm	0.001	0.003	±0.003	ppm PASS
Naled	ND	0.50 ppm	0.007	0.021	±0.021	ppm PASS
Oxamyl	ND	0.20 ppm	0.003	0.009	±0.009	ppm PASS
Paclobutrazol	ND	0.00 ppm	0.004	0.011	±0.011	ppm PASS
Permethrin	ND	20.00 ppm	0.014	0.041	±0.041	ppm PASS
Phosmet	ND	0.20 ppm	0.004	0.012	±0.012	ppm PASS
Piperonylbutoxide	ND	8.00 ppm	0.014	0.042	±0.042	ppm PASS
Prallethrin	ND	0.40 ppm	0.005	0.015	±0.015	ppm PASS
Propiconazole	ND	20.00 ppm	0.005	0.015	±0.015	ppm PASS
Propoxur	ND	0.00 ppm	0.008	0.023	±0.023	ppm PASS

Solvents	MSP-7.5.1.7	limit	LOD	LOQ	error	result
Acetone	ND	5000 ppm	0.7	1.2	±1.2	ppm PASS
Acetonitrile	ND	410 ppm	0.6	1.8	±1.8	ppm PASS
Benzene	ND	0 ppm	0.0	0.1	±0.1	ppm PASS
Butane	ND	5000 ppm	1.4	4.2	±4.2	ppm PASS
Chloroform	ND	0 ppm	0.1	0.2	±0.2	ppm PASS
Cyclohexane	ND	0 ppm	0.5	1.6	±1.6	ppm PASS
Ethanol	ND	10000 ppm	0.7	1.2	±1.2	ppm PASS
Heptane	ND	5000 ppm	0.4	1.2	±1.2	ppm PASS
Hexane	ND	290 ppm	0.5	1.6	±1.6	ppm PASS
Isopropyl alcohol	ND	5000 ppm	0.6	1.9	±1.9	ppm PASS
Methanol	ND	3000 ppm	0.5	1.6	±1.6	ppm PASS
Pentane	ND	5000 ppm	0.2	0.6	±0.6	ppm PASS
Propane	ND	5000 ppm	0.5	1.6	±1.6	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	0.010	±0.010	ppm PASS
Pyridaben	ND	3.00 ppm	0.001	0.004	±0.004	ppm PASS
Spinetoram	ND	3.00 ppm	0.005	0.014	±0.014	ppm PASS
Spinosad	ND	3.00 ppm	0.009	0.027	±0.027	ppm PASS
Spiromesifen	ND	12.00 ppm	0.004	0.012	±0.012	ppm PASS
Spirotetramat	ND	13.00 ppm	0.003	0.010	±0.010	ppm PASS
Spiroxamine	ND	0.00 ppm	0.001	0.003	±0.003	ppm PASS
Tebuconazole	ND	2.00 ppm	0.007	0.021	±0.021	ppm PASS
Thiacloprid	ND	0.10 ppm	0.001	0.004	±0.004	ppm PASS
Thiamethoxam	ND	4.50 ppm	0.004	0.012	±0.012	ppm PASS
Trifloxystrobin	ND	30.00 ppm	0.003	0.009	±0.009	ppm PASS

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

QA Manager



ISO/IEC 17025:2017



Certificate #4961-01

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

Kyle Larson, MSC
Deputy Director

Jacob Harris

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 volum_{elution}/M_{dry} ... Decarboxylated cannabinoid concentration is calculated XXX_{total} = 0.877 x XXX_a + 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_e² = Σ(Δi/Δi)²s_e² where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± t_{CL90} x s_e. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = not limit, NA = not applicable. ‡ = decarbed

Printed 3/16/2021 3:44 PM

certificate ID
1DQ26

SG10-21106B

R Certificate of Analysis



rec'd 4/16/2021 1:04:28 PM

order 10485

Stillwater
Laboratories



Microbial	MSP-7.5.1.10	limit	LOD	LOQ	error	result
E.coli	ND	NL	0.1	0.2	±0.2CFU	NA
Salmonella sp.	ND	NL	0.1	0.2	±0.2CFU	NA
molds	ND	NL	3.1	9.2	±9.2CFU	NA

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Jacob Harris
QA Manager



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: $[\text{cannabinoid}] = [\text{cannabinoid}]_{\text{HPLC}} \times \text{volume}_{\text{dilution}} / \text{M}_{\text{dry}}$ ••• Decarboxyated cannabinoid concentration is calculated $\text{XXX}_{\text{total}} = 0.877 \times \text{XXXa} + \text{XXX}$ ••• 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 $s_{\text{e}}^2 = \sum (\partial f / \partial i)^2 s_{\text{i}}^2$ where i is the contributor to error. The 95% confidence range is calculated from: (concentration) $\pm t_{\text{CL},90} \times s_{\text{e}}$. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed

Printed 4/20/2021 3:50 PM