

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD Softgels
PRODUCT STRENGTH: 25 mg
FILL LOT NUMBER: 21082A
SOFTGEL LOT NUMBER: [21090LL1](#)
BEST BY DATE: 08/01/2022

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: Kei Horikawa 03/30/2021
 Kei Horikawa Date
 Quality Control Manager

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 |
| cannabidivarin (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

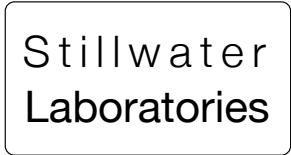
Stillwater Laboratories Inc.

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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21082A

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

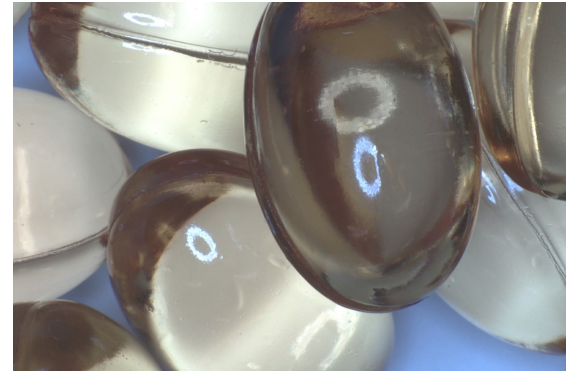
Sample Handling

test ID **10232.1** sample wt 17.3 g
 type gelcap order **10232**
 lab ID **1CW68** sample date 3/25/2021
 unit capsule unit weight **0.5 g**

Methods

| | method | equipment |
|------------|-------------|--------------|
| weights | MSP-7.3.1.3 | AUX120.1 |
| potency | MSP-7.5.1.5 | LC-2030 |
| terpenes | MSP-7.5.1.7 | QP2020/HS20 |
| pesticides | MSP-7.5.1.8 | LC-8060 |
| mycotoxins | MSP-7.5.1.8 | LC-8060 |
| microbial | MSP-7.5.1.1 | AriaMx/Hardy |
| solvents | MSP-7.5.1.6 | QP2020/HS20 |
| metals | MSP-7.5.1.1 | ICPMS2030 |

gelcap



| | | | | | | | | | |
|---------|-------------|-----------------|----------|---|-----------------|---|-----------------|---|-----------------|
| Potency | per capsule | estimated error | Terpenes | % | estimated error | % | estimated error | % | estimated error |
|---------|-------------|-----------------|----------|---|-----------------|---|-----------------|---|-----------------|

not tested

terpenes
not tested / not required

| | | | | | | | | | | |
|----------|----------|-------|-----|-----------------|----------|-------|-----|--------------------|-------|-----|
| Solvents | MT limit | 1CW68 | LOQ | Pesticides (MT) | MT limit | 1CW68 | LOQ | Pesticides (other) | 1CW68 | LOQ |
|----------|----------|-------|-----|-----------------|----------|-------|-----|--------------------|-------|-----|

pesticides
not tested / not required

not tested /
not required

| | | | |
|--------------|----------|-------|-----|
| Toxic Metals | MT limit | 1CW68 | LOQ |
|--------------|----------|-------|-----|

metals
not tested / not required

| Microbial | MT limit | 1CW68 | LOQ |
|----------------|-----------|-------|------------|
| <i>E. coli</i> | 10 CFU | 0 CFU | <10 CFU/g |
| Salmonella sp. | 10 CFU | 0 CFU | <10 CFU/g |
| molds | 10000 CFU | 0 CFU | <10k CFU/g |

Comments

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution} / m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation 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; this is combined with error from weighing and dilution using the propagation of error formula s_g² = Σ(∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_g. Sampling error is not

Certified by:

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