# DANU

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Nano CBD Softgels
**PRODUCT STRENGTH:** 10 mg CBD
**TINCTURE BATCH:** 21236A
**BEST BY DATE:** 04/06/2023
**HEMP EXTRACT LOT:** 21208

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

*Physical Atttributes*

| Test | Method | Specification | Results |
|---|---|---|---|
| Color | Internal | Golden to Amber | PASS |
| Odor | Internal | No odor | PASS |
| Appearance | Internal | Dry, ovoid softgel capsules in container with lid and shrink-band | PASS |
| Primary Package Eval. | Internal | Container clean and free of filth. Container caps tight and shrink bands intact | PASS |
| Secondary Package Eval. | Internal | 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 | HPLC-UV DAD | *NLT 10 mg / softgel | **10.4 mg** | PASS |
| **Potency** - D9-THC | HPLC-UV DAD | LOQ: >0.01% (broad spectrum) | **ND** | PASS |
| **Expanded Pesticide Panel** | HPLC-QQQ | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract | **ND** | PASS |
| **Microbial** Escherichia coli (STEC) | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram | **Absent** | PASS |
| **Microbial** Salmonella | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram | **Absent** | PASS |
| **Microbial** Yeast and Mold | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram | **Below LOQ** | PASS |
| **Microbial** Total Coliforms* | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram | **Below LOQ** | PASS |
| **Microbial** Total Aerobic Count* | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram | **Below LOQ** | PASS |
| **Heavy Metals Panel** | ICP-MS | Arsenic (As): ≤1.5 ppm<br>Cadmium (Cd): ≤0.5 ppm<br>Lead (Pb): ≤0.5 ppm<br>Mercury (Hg): ≤1.5 ppm | **ND** | PASS |
| **Mycotoxins** | ICP-MS | Total Aflatoxins <20 ppb†<br>Afltoxin B1 < 20 ppb<br>Ochratoxin < 20 ppb | **ND** | PASS |
| **Residual Solvents** | GC-HS-MSD | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract | **ND** | PASS |

* *Level of Quantitation, † Parts Per Million † Part Per Billion CFU/g=Colony Forming Units per Gram
*Nothing Less Than
10^2=100 CFU
10^3=1,000 CFU

Quality Certified — Kayla Kolber — 08/24/2021

Kayla Kolber
Quality Assurance Technician

Date

# Certificate of Analysis

| | |
|---|---|
| **Product Name: Daily Broad Spectrum 10 mg** | **Product No.: -6-024-10-01** |
| | **Country of Origin: USA** |
| **Lot No.: 21208** | **Serving Size: 1 softgel** |
| | **Manufacture Date: 04/06/2021** |
| **Product Packaging: Softgels in bottle** | **Report Date: 04/13/2021** |

| Analyte | Test Method | Acceptable Limit | Test Results |
|---|---|---|---|
| **Physical** | | | |
| Appearance | Visual | Transparent encapsulated product | Conforms |
| Color | Visual | Amber gold to light brown | Conforms |
| **Potency** | | | |
| Total Cannabinoids | MSP-7.3.1.5 | NLT 10 mg/capsule | 11 mg/capsule |
| Total THC (delta 9 THC and THC-A) | MSP-7.3.1.5 | 0.1% w/w | None detected |
| **Impurities** | | | |
| Pesticides | MSP-7.5.1.6 | Below action level limits | Conforms |
| Solvents | MSP-7.5.1.6 | Below action level limits | Conforms |
| **Microbiological Pathogens** | | | |
| 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: _____ Date: 04/13/2021

Quality Assurance: _____ Date: 04/13/2021

certificate ID
**1DF12**

# Nano Softgels 10mg

# 7USC1639 Certificate of Analysis



Lot# 21208 prod. date 4/5/2021
rec'd 4/7/2021 11:49:35 AM order 10354

total cannabinoids **11.0mg** per Gelcap

THC‡ ND
CBD‡ 10.4mg

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

Stillwater Laboratories

## Potency per Gelcap

| | MSP-7.5.1.4 | LOD \| LOQ \| error (95%CI k=2) |
|---|---|---|
| **total cannabinoids** | **11.0mg** | **0.06 \| 0.18 \| ±0.38mg** |
| **total THC‡** | **ND** | **0.06 \| 0.18 \| ±0.18mg** |
| **total THC (THC+THCa)** | **ND** | **0.06 \| 0.18 \| ±0.18mg** |
| total CBD‡ | 10.4mg | 0.06 \| 0.18 \| ±0.37mg |
| total CBD (CBD+CBDa) | 10.4mg | 0.06 \| 0.18 \| ±0.37mg |
| tetrahydrocannabolic acid (THCa) | ND | 0.06 \| 0.19 \| ±0.19mg |
| Δ9-tetrahydrocannabinol (Δ9 THC) | ND | 0.06 \| 0.18 \| ±0.18mg |
| Δ8-tetrahydrocannabinol (Δ8 THC) | ND | 0.08 \| 0.24 \| ±0.24mg |
| tetrahydrocannabivarin (THCv) | ND | 0.07 \| 0.20 \| ±0.20mg |
| cannabidiolic acid (CBDa) | ND | 0.05 \| 0.16 \| ±0.16mg |
| cannabidiol (CBD) | 10.4mg | 0.06 \| 0.19 \| ±0.37mg |
| cannabidivarin (CBDv) | ND | 0.06 \| 0.18 \| ±0.18mg |
| cannabigerolic acid (CBGa) | ND | 0.06 \| 0.17 \| ±0.17mg |
| cannabigerol (CBG) | 0.6mg | 0.02 \| 0.05 \| ±0.06mg |
| cannabinol (CBN) | ND | 0.03 \| 0.10 \| ±0.10mg |
| cannabichromene (CBC) | ND | 0.06 \| 0.18 \| ±0.18mg |

## Microbial

| | MSP-7.5.1.10 | limit | LOD LOQ error | result |
|---|---|---|---|---|
| E.coli | ND | 0CFU | 0.0 \| 0.1 \| ±0.1CFU | PASS |
| Salmonella sp. | ND | 0CFU | 0.0 \| 0.1 \| ±0.1CFU | PASS |
| molds | ND | 10000CFU | 2.5 \| 7.4 \| ±7.4CFU | PASS |
| Ochratoxin A | ND | 20 ppb | 0.5 \| 1.4 \| ±1.4 ppb | PASS |
| Aflatoxin B1B2G1G2 | ND | 20 ppb | 0.5 \| 1.5 \| ±1.5 ppb | PASS |

## Solvents

| | MSP-7.5.1.7 | limit | LOD LOQ error | result |
|---|---|---|---|---|
| Acetone | ND | 5000 ppm | 0.7 \| 2.1 \| ±2.1 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 \| 2.1 \| ±2.1 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 | 2.8 \| 8.5 \| ±8.5 ppb | PASS |
| Cadmium | ND | 500 ppb | 3.0 \| 9.1 \| ±9.1 ppb | PASS |
| Lead | ND | 500 ppb | 4.7 \| 14.2 \| ±14.2 ppb | PASS |
| Mercury | ND | 300 ppb | 2.4 \| 7.1 \| ±7.1 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 \| 0.012 \| ±0.012 ppm | PASS |
| Spinosad | ND | 3.00 ppm | 0.008 \| 0.023 \| ±0.023 ppm | PASS |
| Spiromesifen | ND | 12.00 ppm | 0.004 \| 0.011 \| ±0.011 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 |

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

## Pesticides

| | MSP-7.5.1.8 | limit | LOD LOQ error | result |
|---|---|---|---|---|
| Abamectin | ND | 0.30 ppm | 0.008 \| 0.025 \| ±0.025 ppm | PASS |
| Acephate | ND | 5.00 ppm | 0.009 \| 0.026 \| ±0.026 ppm | PASS |
| Acequinocyl | ND | 4.00 ppm | 0.007 \| 0.022 \| ±0.022 ppm | PASS |
| Acetamiprid | ND | 5.00 ppm | 0.006 \| 0.018 \| ±0.018 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 | 0.024 \| 0.071 \| ±0.071 ppm | PASS |
| Carbaryl | ND | 0.50 ppm | 0.009 \| 0.028 \| ±0.028 ppm | PASS |
| Carbofuran | ND | 0.00 ppm | 0.002 \| 0.006 \| ±0.006 ppm | PASS |
| Chloantraniliprole | ND | 40.00 ppm | 0.023 \| 0.068 \| ±0.068 ppm | PASS |
| Chlorfenapyr | ND | 0.00 ppm | 0.006 \| 0.018 \| ±0.018 ppm | PASS |
| Chlorpyrifos | ND | 0.00 ppm | 0.047 \| 0.141 \| ±0.141 ppm | PASS |
| Clofentezine | ND | 0.50 ppm | 0.009 \| 0.026 \| ±0.026 ppm | PASS |
| Coumaphos | ND | 0.00 ppm | 0.006 \| 0.018 \| ±0.018 ppm | PASS |
| Cyfluthrin | ND | 1.00 ppm | 0.009 \| 0.026 \| ±0.026 ppm | PASS |
| Cypermethrin | ND | 1.00 ppm | 0.006 \| 0.018 \| ±0.018 ppm | PASS |
| Daminozide | ND | 0.00 ppm | 0.032 \| 0.096 \| ±0.096 ppm | PASS |
| Dichlorvos | ND | 0.00 ppm | 0.016 \| 0.049 \| ±0.049 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 | 0.009 \| 0.026 \| ±0.026 ppm | PASS |
| Flonicamid | ND | 2.00 ppm | 0.114 \| 0.341 \| ±0.341 ppm | PASS |
| Fludioxonil | ND | 30.00 ppm | 0.008 \| 0.023 \| ±0.023 ppm | PASS |
| Hexythiazox | ND | 2.00 ppm | 0.001 \| 0.003 \| ±0.003 ppm | PASS |
| Imazalil | ND | 0.00 ppm | 0.008 \| 0.023 \| ±0.023 ppm | PASS |
| Imidacloprid | ND | 3.00 ppm | 0.001 \| 0.004 \| ±0.004 ppm | PASS |
| Malathion | ND | 5.00 ppm | 0.006 \| 0.018 \| ±0.018 ppm | PASS |
| Metalaxyl | ND | 15.00 ppm | 0.009 \| 0.026 \| ±0.026 ppm | PASS |
| Methiocarb | ND | 0.00 ppm | 0.004 \| 0.013 \| ±0.013 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 \| 0.010 \| ±0.010 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 | 0.012 \| 0.035 \| ±0.035 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 | 0.007 \| 0.020 \| ±0.020 ppm | PASS |

Certified by:

Kyle Larson, MSc
Deputy Director

Jacob Harris
QA Manager

Printed 4/13/2021 3:30 PM

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)

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

botanacor

**Official Compliance: Colorado**

# CERTIFICATE OF ANALYSIS

## SG10

| Batch ID or Lot Number: | Test: | Reported: |
|---|---|---|
| **21236A** | **Microbial Contaminants** | **8/23/21** |

| Matrix: | Test ID: | Started: | USDA License: |
|---|---|---|---|
| Finished Product | T000158560 | 8/19/21 | N/A |

| Status: | Methods: | Received: | Sampler ID: |
|---|---|---|---|
| N/A | TM25 (qPCR)<br>TM24, TM26, TM27(Culture Plating):<br>Microbial (Colorado Panel) | 08/19/2021 @ 10:25 AM | N/A |

## MICROBIAL CONTAMINANTS DETERMINATION

| Contaminant | Method | LOD | LLOQ | ULOQ | Result |
|---|---|---|---|---|---|
| **Total Aerobic Count*** | TM-26, Culture Plating | 10^2 CFU/g | 10^3 CFU/g | 1.5x10^5 CFU/g | None Detected |
| **Total Coliforms*** | TM-27, Culture Plating | 10^2 CFU/g | 10^2 CFU/g | 1.5x10^4 CFU/g | None Detected |
| **Total Yeast and Mold*** | TM-24, Culture Plating | 10^2 CFU/g | 10^2 CFU/g | 1.5x10^4 CFU/g | None Detected |
| **E. coli (STEC)** | TM-25, PCR | 1 CFU/25 g | NA | NA | Absent |
| **Salmonella** | TM-25, PCR | 1 CFU/25 g | NA | NA | Absent |

### Notes

Free from visual mold, mildew, and foreign matter

Brianne Maillot
8/23/2021
3:29:00 PM

PREPARED BY / DATE

Sarah Henning
8/23/2021
5:31:00 PM

APPROVED BY / DATE

### Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation
CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*
* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

*Examples:*
*10^2 = 100 CFU*
*10^3 = 1,000 CFU*
*10^4 = 10,000 CFU*
*10^5 = 100,000 CFU*

*Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.*

CDPHE Certified

Certificate #4329.02