

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Nano CBD Softgels  
**PRODUCT STRENGTH:** 25 mg CBD  
**TINCTURE BATCH:** 7876  
**BEST BY DATE:** 12/21/2024  
**HEMP EXTRACT LOT:** 22BL07876

### Physical Attributes


| 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 |
|---|-----------------|---|------------------|-----------|
| <b>Potency - Total CBD</b>                  | HPLC-UV DAD     | *NLT 25 mg / softgel  | <b>30mg</b>      | PASS      |
| <b>Potency - D9-THC</b>                     | HPLC-UV DAD     | LOQ: <0.01% (broad spectrum)  | <b>ND</b>        | PASS      |
| <b>Expanded Pesticide Panel</b>             | HPLC-QQQ        | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract                                    | <b>Below LOQ</b> | PASS      |
| <b>Microbial</b><br>Escherichia coli (STEC) | PCR             | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram   | <b>Absent</b>    | PASS      |
| <b>Microbial</b><br>Salmonella              | PCR             | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram   | <b>Absent</b>    | PASS      |
| <b>Microbial</b><br>Yeast and Mold          | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram                                  | <b>Below LOQ</b> | PASS      |
| <b>Microbial</b><br>Total Coliforms*        | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram                                  | <b>Below LOQ</b> | PASS      |
| <b>Microbial</b><br>Total Aerobic Count*    | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>3</sup> CFU/gram                                  | <b>Below LOQ</b> | PASS      |
| <b>Heavy Metals Panel</b>                   | 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 | <b>Below LOQ</b> | PASS      |
| <b>Mycotoxins</b>                           | ICP-MS          | Total Aflatoxins <20 ppb†<br>Aflatoxin B1 < 5 ppb<br>Ochratoxin < 5ppb                            | <b>Below LOQ</b> | PASS      |
| <b>Residual Solvents</b>                    | GC-HS-MSD       | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract                                    | <b>Below LOQ</b> | PASS      |

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

Quality Certified

  
 \_\_\_\_\_  
 Name

4/19/2023

Date

**25mg CBD Softgels**

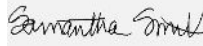
|                                      |                                       |                        |             |
|--------------------------------------|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number:<br>SG25-7876 | Test, Test ID and Methods:<br>Various | Matrix:<br>Concentrate | Page 3 of 6 |
| Reported:<br>16Jan2023               | Started:<br>13Jan2023                 | Received:<br>12Jan2023 |             |


**Cannabinoids - Colorado Compliance**

Test ID: T000232724  
Methods: TM14 (HPLC-DAD): Potency – Standard

| Cannabinoid Analysis                         | LOD (mg) | LOQ (mg) | Result (mg)   | Result (mg/g) | Notes  |
|--|----------|----------|---------------|---------------|--|
| Cannabichromene (CBC)                        | 0.053    | 0.166    | <LOQ          | <LOQ          | # of Servings = 1<br>Sample<br>Weight=0.631g |
| Cannabichromenic Acid (CBCA)                 | 0.048    | 0.152    | ND            | ND            |  |
| Cannabidiol (CBD)                            | 0.143    | 0.463    | 30.369        | 48.16         |  |
| Cannabidiolic Acid (CBDA)                    | 0.146    | 0.475    | ND            | ND            |  |
| Cannabidivarin (CBDV)                        | 0.034    | 0.110    | <LOQ          | <LOQ          |  |
| Cannabidivarinic Acid (CBDVA)                | 0.061    | 0.198    | ND            | ND            |  |
| Cannabigerol (CBG)                           | 0.030    | 0.094    | 1.923         | 3.05          |  |
| Cannabigerolic Acid (CBGA)                   | 0.126    | 0.394    | ND            | ND            |  |
| Cannabinol (CBN)                             | 0.039    | 0.123    | ND            | ND            |  |
| Cannabinolic Acid (CBNA)                     | 0.086    | 0.269    | ND            | ND            |  |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC)   | 0.150    | 0.469    | ND            | ND            |  |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC)   | 0.136    | 0.426    | ND            | ND            |  |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.121    | 0.377    | ND            | ND            |  |
| Tetrahydrocannabivarin (THCV)                | 0.027    | 0.086    | ND            | ND            |  |
| Tetrahydrocannabivarinic Acid (THCVA)        | 0.106    | 0.333    | ND            | ND            |  |
| <b>Total Cannabinoids</b>                    |          |          | <b>32.292</b> | <b>51.21</b>  |  |
| Total Potential THC                          |          |          | ND            | ND            |  |
| Total Potential CBD                          |          |          | 30.369        | 48.16         |  |

**Final Approval**

  
Sam Smith  
16Jan2023  
03:51:00 PM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
16Jan2023  
03:55:00 PM MST  
APPROVED BY / DATE

## 25mg CBD Softgels

|                                      |                                       |                        |             |
|--------------------------------------|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number:<br>SG25-7876 | Test, Test ID and Methods:<br>Various | Matrix:<br>Concentrate | Page 1 of 6 |
| Reported:<br>16Jan2023               | Started:<br>13Jan2023                 | Received:<br>12Jan2023 |             |

## Residual Solvents - Colorado Compliance

Test ID: T000232728


Methods: TM04 (GC-MS): Residual

| Solvents                      | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane                       | 92 - 1841           | ND           |       |
| Butanes (Isobutane, n-Butane) | 185 - 3701          | ND           |       |
| Methanol                      | 56 - 1120           | ND           |       |
| Pentane                       | 93 - 1866           | ND           |       |
| Ethanol                       | 96 - 1915           | ND           |       |
| Acetone                       | 93 - 1850           | ND           |       |
| Isopropyl Alcohol             | 98 - 1962           | ND           |       |
| Hexane                        | 6 - 115             | ND           |       |
| Ethyl Acetate                 | 94 - 1884           | ND           |       |
| Benzene                       | 0.2 - 3.6           | ND           |       |
| Heptanes                      | 94 - 1887           | ND           |       |
| Toluene                       | 18 - 350            | ND           |       |
| Xylenes (m,p,o-Xylenes)       | 130 - 2596          | ND           |       |

### Final Approval

  
Sam Smith  
16Jan2023  
11:49:00 AM MST

PREPARED BY / DATE

  
Karen Winternheimer  
16Jan2023  
11:52:00 AM MST

APPROVED BY / DATE

## 25mg CBD Softgels


|                                      |                                       |                        |             |
|--------------------------------------|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number:<br>SG25-7876 | Test, Test ID and Methods:<br>Various | Matrix:<br>Concentrate | Page 2 of 6 |
| Reported:<br>16Jan2023               | Started:<br>13Jan2023                 | Received:<br>12Jan2023 |             |

## Microbial Contaminants - Colorado Compliance

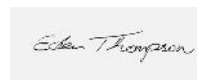
Test ID: T000232726  
Methods: TM25 (qPCR) TM24, TM26,  
TM27 (Culture Plating): Microbial  
(Colorado Panel)

|                       | Method                | LOD                     | Quantitation<br>Range                     | Result        | Notes   |
|-----------------------|-----------------------|-------------------------|---|---------------|---|
| STEC                  | TM25: PCR             | 10 <sup>0</sup> CFU/25g | NA  | Absent        | Free from visual mold, mildew, and foreign matter |
| Salmonella            | TM25: PCR             | 10 <sup>0</sup> CFU/25g | NA  | Absent        |   |
| Total Yeast and Mold* | TM24: Culture Plating | 10 <sup>1</sup> CFU/g   | 1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup> | None Detected |   |
| Total Aerobic Count*  | TM26: Culture Plating | 10 <sup>2</sup> CFU/g   | 1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup> | None Detected |   |
| Total Coliforms*      | TM27: Culture Plating | 10 <sup>1</sup> CFU/g   | 1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup> | None Detected |   |

### Final Approval

  
Brianne Maillot  
15Jan2023  
10:41:00 AM MST

PREPARED BY / DATE

  
Eden Thompson-Wright  
16Jan2023  
01:39:00 PM MST

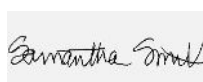
APPROVED BY / DATE

## Heavy Metals - Colorado Compliance


Test ID: T000232727  
Methods: TM19 (ICP-MS): Heavy  
Metals

| Metals  | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------|---------------------|--------------|-------|
| Arsenic | 0.04 - 4.50         | ND           |       |
| Cadmium | 0.05 - 4.60         | ND           |       |
| Mercury | 0.05 - 4.56         | ND           |       |
| Lead    | 0.04 - 4.37         | ND           |       |

### Final Approval

  
Sam Smith  
16Jan2023  
12:31:00 PM MST

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Karen Winternheimer  
16Jan2023  
12:34:00 PM MST

APPROVED BY / DATE

**25mg CBD Softgels**

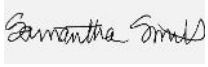
|   |                                       |                        |             |
|---|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number:<br><b>SG25-7876</b> | Test, Test ID and Methods:<br>Various | Matrix:<br>Concentrate | Page 4 of 6 |
| Reported:<br><b>16Jan2023</b>               | Started:<br>13Jan2023                 | Received:<br>12Jan2023 |             |

**Mycotoxins - Colorado Compliance**

Test ID: T000232729  
Methods: TM18 (UHPLC-QQQ)  
LCMS/MS: Mycotoxins

|                                       | Dynamic Range (ppb) | Result (ppb) | Notes |
|---------------------------------------|---------------------|--------------|-------|
| Ochratoxin A                          | 4.52 - 133.00       | ND           | N/A   |
| Aflatoxin B1                          | 1.12 - 33.37        | ND           |       |
| Aflatoxin B2                          | 1.06 - 33.57        | ND           |       |
| Aflatoxin G1                          | 1.15 - 33.64        | ND           |       |
| Aflatoxin G2                          | 1.09 - 33.54        | ND           |       |
| Total Aflatoxins (B1, B2, G1, and G2) |                     | ND           |       |

**Final Approval**

  
 Sam Smith  
 19Jan2023  
 07:43:00 AM MST  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 19Jan2023  
 07:44:00 AM MST  
 APPROVED BY / DATE

**25mg CBD Softgels**

|                                      |                                       |                        |             |
|--------------------------------------|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number:<br>SG25-7876 | Test, Test ID and Methods:<br>Various | Matrix:<br>Concentrate | Page 5 of 6 |
| Reported:<br>16Jan2023               | Started:<br>13Jan2023                 | Received:<br>12Jan2023 |             |


**Pesticides**

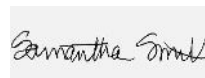
Test ID: T000232725

Methods: TM17

| (LC-QQ LC MS/MS)    | Dynamic Range (ppb) | Result (ppb) | Dynamic Range (ppb) | Result (ppb) |    |
|---------------------|---------------------|--------------|---------------------|--------------|----|
| Abamectin           | 320 - 2724          | ND           | Malathion           | 293 - 2732   | ND |
| Acephate            | 43 - 2822           | ND           | Metalaxyl           | 41 - 2751    | ND |
| Acetamiprid         | 41 - 2774           | ND           | Methiocarb          | 45 - 2813    | ND |
| Azoxystrobin        | 44 - 2723           | ND           | Methomyl            | 39 - 2813    | ND |
| Bifenazate          | 46 - 2720           | ND           | MGK 264 1           | 174 - 1627   | ND |
| Boscalid            | 38 - 2883           | ND           | MGK 264 2           | 116 - 1134   | ND |
| Carbaryl            | 43 - 2739           | ND           | Myclobutanil        | 55 - 2829    | ND |
| Carbofuran          | 42 - 2712           | ND           | Naled               | 48 - 2745    | ND |
| Chlorantraniliprole | 49 - 2785           | ND           | Oxamyl              | 39 - 2802    | ND |
| Chlorpyrifos        | 50 - 2727           | ND           | Paclobutrazol       | 50 - 2693    | ND |
| Clofentezine        | 286 - 2736          | ND           | Permethrin          | 166 - 2792   | ND |
| Diazinon            | 270 - 2724          | ND           | Phosmet             | 39 - 2724    | ND |
| Dichlorvos          | 280 - 2782          | ND           | Prophos             | 291 - 2829   | ND |
| Dimethoate          | 40 - 2774           | ND           | Propoxur            | 43 - 2732    | ND |
| E-Fenpyroximate     | 284 - 2729          | ND           | Pyridaben           | 295 - 2726   | ND |
| Etofenprox          | 43 - 2709           | ND           | Spinosad A          | 35 - 2252    | ND |
| Etoxazole           | 295 - 2729          | ND           | Spinosad D          | 48 - 494     | ND |
| Fenoxycarb          | 40 - 2754           | ND           | Spiromesifen        | 284 - 2752   | ND |
| Fipronil            | 68 - 2730           | ND           | Spirotetramat       | 283 - 2758   | ND |
| Flonicamid          | 55 - 2849           | ND           | Spiroxamine 1       | 18 - 1193    | ND |
| Fludioxonil         | 288 - 2866          | ND           | Spiroxamine 2       | 19 - 1620    | ND |
| Hexythiazox         | 45 - 2748           | ND           | Tebuconazole        | 270 - 2766   | ND |
| Imazalil            | 251 - 2736          | ND           | Thiacloprid         | 43 - 2779    | ND |
| Imidacloprid        | 48 - 2784           | ND           | Thiamethoxam        | 34 - 2824    | ND |
| Kresoxim-methyl     | 43 - 2766           | ND           | Trifloxystrobin     | 42 - 2745    | ND |

**Final Approval**

  
 Karen Winternheimer  
 20Jan2023  
 09:04:00 AM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 20Jan2023  
 09:08:00 AM MST  
 APPROVED BY / DATE