

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** CBD Cream  
**PRODUCT STRENGTH:** 250 mg / bottle  
**BATCH:** 22167-10  
**BEST BY DATE:** 7/14/2024

## Physical Attributes

| Test                    | Method   | Specification  | Results |
|-------------------------|----------|--|---------|
| Color                   | Internal | off white to light cream   | PASS    |
| Odor                    | Internal | Neutral with light hemp/CBD oil scent  | PASS    |
| Appearance              | Internal | Medium viscosity skin cream in white container with clear cap  | PASS    |
| Primary Package Eval.   | Internal | Container clean and free of filth. Container caps tight and tamper evident label 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     | LOQ*: ≥ 250 mg / bottle  | <b>286mg</b>     | PASS      |
| <b>Potency - D9-THC</b>                     | HPLC-UV DAD     | LOQ: <0.01% THC (Broad Spectrum)   | <b>Below LOQ</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   | <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</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>Afltoxin 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 Quantification  
 \*\*Colony Forming Units per Gram  
 † Parts Per Million †† Part Per Billion

Values expressed in scientific notation.  
 Examples:  
 10<sup>2</sup>=100  
 10<sup>3</sup>=1,000

Quality Certified  9/7/2022  
 Name \_\_\_\_\_ Date \_\_\_\_\_



12423 NE Whitaker Way  
 Portland, OR 97230  
 503-254-1794



**Report Number:** 22-008528/D002.R000  
**Report Date:** 07/22/2022  
**ORELAP#:** OR100028  
**Purchase Order:** PO-10633  
**Received:** 07/20/22 11:25

**Product identity:** CBD Cream  
**Client/Metric ID:** 22167-10  
**Laboratory ID:** 22-008528-0001

### Summary

**Potency:**

| Analyte        | Result | Limits | Units | Status |                                       |
|----------------|--------|--------|-------|--------|---------------------------------------|
| CBD            | 1.01   |        | %     |        | CBD-Total per Serving Size 10.1 mg/1g |
| CBG            | 0.0930 |        | %     |        |                                       |
| Analyte per 1g | Result | Limits | Units | Status |                                       |
| CBD per 1g     | 10.1   |        | mg/1g |        | (Reported in milligrams per serving)  |
| CBG per 1g     | 0.930  |        | mg/1g |        |                                       |
|                |        |        |       |        | THC-Total per Serving Size <LOQ       |



12423 NE Whitaker Way  
 Portland, OR 97230  
 503-254-1794



**Report Number:** 22-008528/D002.R000  
**Report Date:** 07/22/2022  
**ORELAP#:** OR100028  
**Purchase Order:** PO-10633  
**Received:** 07/20/22 11:25

**Product identity:** CBD Cream 250mg  
**Client/Metric ID:** 22167-10

**Laboratory ID:** 22-008528-0001 No  
**Evidence of Cooling:** 23.9 °C  
**Temp: Relinquished** UPS  
**by: Serving Size #1:** 1 g

### Sample Results

| Potency                   | Method: J AOAC 2015 V98-6 (mod) <sup>b</sup> | Units % | Batch: 2206210 | Analyze: 7/22/22 2:40:00 AM |       |
|---------------------------|--|---------|----------------|-----------------------------|-------|
| Analyte                   | Result                                       | Limits  | Units          | LOQ                         | Notes |
| CBD                       | 1.01   |         | %              | 0.0327                      |       |
| CBD-A                     | < LOQ  |         | %              | 0.00327                     |       |
| CBD-Total                 | 1.01   |         | %              | 0.0355                      |       |
| CBG                       | 0.0930                                       |         | %              | 0.00327                     |       |
| CBG-A                     | < LOQ  |         | %              | 0.00327                     |       |
| CBG-Total                 | 0.0930                                       |         | %              | 0.00610                     |       |
| CBN                       | < LOQ  |         | %              | 0.00327                     |       |
| Δ8-THC                    | < LOQ  |         | %              | 0.00327                     |       |
| Δ9-THC                    | < LOQ  |         | %              | 0.00327                     |       |
| THC-A                     | < LOQ  |         | %              | 0.00327                     |       |
| THC-Total                 | < LOQ  |         | %              | 0.00613                     |       |
| <b>Total Cannabinoids</b> | <b>1.10</b>                                  |         | %              |                             |       |

| Potency per 1g   | Method: J AOAC 2015 V98-6 (mod) <sup>b</sup> | Units mg/se | Batch: 2206210 | Analyze: 7/22/22 2:40:00 AM |       |
|------------------|--|-------------|----------------|-----------------------------|-------|
| Analyte          | Result                                       | Limits      | Units          | LOQ                         | Notes |
| CBD per 1g       | 10.1   |             | mg/1g          | 0.327                       |       |
| CBD-A per 1g     | < LOQ  |             | mg/1g          | 0.0327                      |       |
| CBD-Total per 1g | 10.1   |             | mg/1g          | 0.355                       |       |
| CBG per 1g       | 0.930  |             | mg/1g          | 0.0327                      |       |
| CBG-A per 1g     | < LOQ  |             | mg/1g          | 0.0327                      |       |
| CBG-Total per 1g | 0.930  |             | mg/1g          | 0.0610                      |       |
| CBN per 1g       | < LOQ  |             | mg/1g          | 0.0327                      |       |
| Δ8-THC per 1g    | < LOQ  |             | mg/1g          | 0.0327                      |       |
| Δ9-THC per 1g    | < LOQ  |             | mg/1g          | 0.0327                      |       |
| THC-A per 1g     | < LOQ  |             | mg/1g          | 0.0327                      |       |
| THC-Total per 1g | < LOQ  |             | mg/1g          | 0.0613                      |       |


-----


**HPC250-22167-10 CBD Cream**

|  |  |                                    |   |
|--|--|------------------------------------|---|
| Batch ID or Lot Number:<br><b>22167-10</b> | Test:<br><b>Microbial Contaminants</b>                                     | Reported:<br><b>8/22/22</b>        | Location:<br>5042 Technology Parkway Ste. 50<br>FT. COLLINS, CO 80528 |
| Matrix:<br>Finished Product                | Test ID:<br>T000218088   | Started:<br>8/16/22                | USDA License:<br>N/A  |
| Status:<br>Active                          | Methods:<br>TM25 (qPCR)<br>TM24, TM26, TM27(Culture Plating):<br>Microbial | Received:<br>08/16/2022 @ 11:04 AM | Sampler ID:<br>N/A  |

**MICROBIAL CONTAMINANTS DETERMINATION**

| Contaminant                  | Method                 | LOD                      | QUANTITATION RANGE                              | Result        | Notes   |
|------------------------------|------------------------|--------------------------|---|---------------|---|
| <b>Total Aerobic Count*</b>  | TM-26, Culture Plating | 10 <sup>2</sup> CFU/g    | 2.0x10 <sup>3</sup> - 3.0x10 <sup>5</sup> CFU/g | None Detected | Free from visual mold, mildew, and foreign matter |
| <b>Total Coliforms*</b>      | TM-27, Culture Plating | 10 <sup>1</sup> CFU/g    | 1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup> CFU/g | None Detected |   |
| <b>Total Yeast and Mold*</b> | TM-24, Culture Plating | 10 <sup>1</sup> CFU/g    | 2.0x10 <sup>2</sup> - 3.0x10 <sup>4</sup> CFU/g | None Detected |   |
| <b>STEC</b>                  | TM-25, PCR             | 10 <sup>0</sup> CFU/25 g | N/A   | Absent        |   |
| <b>Salmonella</b>            | TM-25, PCR             | 10 <sup>0</sup> CFU/25 g | N/A   | Absent        |   |

  
Brett Hudson  
8/22/2022  
4:23:00 PM

  
Eden Thompson-Wright  
8/22/2022  
5:14:00 PM

PREPARED BY / DATE

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<sup>2</sup> = 100 CFU
  - 10<sup>3</sup> = 1,000 CFU
  - 10<sup>4</sup> = 10,000 CFU
  - 10<sup>5</sup> = 100,000 CFU

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc 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. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



CDPHE Certified



Certificate #4329.02

**HPC250-22167-10 CBD Cream**


|  |                                       |                        |             |
|--|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number:<br><b>22167-10</b> | Test, Test ID and Methods:<br>Various | Matrix:<br>Topical     | Page 1 of 4 |
| Reported:<br><b>18Aug2022</b>              | Started:<br>17Aug2022                 | Received:<br>16Aug2022 |             |

**Residual Solvents -  
Colorado Compliance**


Test ID: T000218090  
Methods: TM04 (GC-MS): Residual

| Solvents                      | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane                       | 98 - 1963           | ND           |       |
| Butanes (Isobutane, n-Butane) | 203 - 4065          | ND           |       |
| Methanol                      | 69 - 1376           | ND           |       |
| Pentane                       | 107 - 2141          | ND           |       |
| Ethanol                       | 104 - 2076          | ND           |       |
| Acetone                       | 113 - 2257          | ND           |       |
| Isopropyl Alcohol             | 116 - 2321          | 148          |       |
| Hexane                        | 7 - 136             | ND           |       |
| Ethyl Acetate                 | 113 - 2269          | ND           |       |
| Benzene                       | 0.2 - 4.5           | ND           |       |
| Heptanes                      | 113 - 2258          | ND           |       |
| Toluene                       | 20 - 403            | ND           |       |
| Xylenes (m,p,o-Xylenes)       | 150 - 2997          | ND           |       |

**Final Approval**

  
Samantha Smith  
19Aug2022  
06:37:00 PM MDT

PREPARED BY / DATE

  
Daniel Weidensaul  
19Aug2022  
06:51:00 PM MDT

APPROVED BY / DATE

**HPC250-22167-10 CBD Cream**

|  |                                       |                        |             |
|--|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number:<br><b>22167-10</b> | Test, Test ID and Methods:<br>Various | Matrix:<br>Topical     | Page 2 of 4 |
| Reported:<br><b>18Aug2022</b>              | Started:<br>17Aug2022                 | Received:<br>16Aug2022 |             |


**Pesticides**


Test ID: T000218087

Methods: TM17

| (LC-QQ LC MS/MS)    | Dynamic Range (ppb) | Result (ppb) |  | Dynamic Range (ppb) | Result (ppb) |    |
|---------------------|---------------------|--------------|--|---------------------|--------------|----|
| Abamectin           | 308 - 2732          | ND           |  | Malathion           | 270 - 2721   | ND |
| Acephate            | 40 - 2787           | ND           |  | Metalaxyl           | 44 - 2712    | ND |
| Acetamiprid         | 40 - 2697           | ND           |  | Methiocarb          | 38 - 2734    | ND |
| Azoxystrobin        | 41 - 2712           | ND           |  | Methomyl            | 39 - 2706    | ND |
| Bifenazate          | 41 - 2673           | ND           |  | MGK 264 1           | 158 - 1631   | ND |
| Boscalid            | 39 - 2759           | ND           |  | MGK 264 2           | 113 - 1163   | ND |
| Carbaryl            | 39 - 2720           | ND           |  | Myclobutanil        | 44 - 2705    | ND |
| Carbofuran          | 43 - 2690           | ND           |  | Naled               | 48 - 2733    | ND |
| Chlorantraniliprole | 38 - 2716           | ND           |  | Oxamyl              | 40 - 2690    | ND |
| Chlorpyrifos        | 41 - 2732           | ND           |  | Paclobutrazol       | 42 - 2711    | ND |
| Clofentezine        | 289 - 2730          | ND           |  | Permethrin          | 293 - 2771   | ND |
| Diazinon            | 290 - 2770          | ND           |  | Phosmet             | 39 - 2677    | ND |
| Dichlorvos          | 277 - 2714          | ND           |  | Prophos             | 281 - 2721   | ND |
| Dimethoate          | 42 - 2706           | ND           |  | Propoxur            | 42 - 2700    | ND |
| E-Fenpyroximate     | 286 - 2760          | ND           |  | Pyridaben           | 295 - 2764   | ND |
| Etofenprox          | 41 - 2760           | ND           |  | Spinosad A          | 30 - 2258    | ND |
| Etoxazole           | 288 - 2736          | ND           |  | Spinosad D          | 47 - 504     | ND |
| Fenoxycarb          | 41 - 2701           | ND           |  | Spiromesifen        | 272 - 2759   | ND |
| Fipronil            | 40 - 2771           | ND           |  | Spirotetramat       | 265 - 2748   | ND |
| Flonicamid          | 47 - 2738           | ND           |  | Spiroxamine 1       | 17 - 1172    | ND |
| Fludioxonil         | 256 - 2768          | ND           |  | Spiroxamine 2       | 23 - 1571    | ND |
| Hexythiazox         | 40 - 2773           | ND           |  | Tebuconazole        | 302 - 2715   | ND |
| Imazalil            | 274 - 2744          | ND           |  | Thiacloprid         | 42 - 2687    | ND |
| Imidacloprid        | 41 - 2733           | ND           |  | Thiamethoxam        | 37 - 2727    | ND |
| Kresoxim-methyl     | 22 - 2788           | ND           |  | Trifloxystrobin     | 41 - 2734    | ND |

**Final Approval**

  
 Sam Smith  
 18Aug2022  
 02:14:00 PM MDT  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 19Aug2022  
 12:39:00 PM MDT  
 APPROVED BY / DATE

**HPC250-22167-10 CBD Cream**


|  |                                       |                        |             |
|--|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number:<br><b>22167-10</b> | Test, Test ID and Methods:<br>Various | Matrix:<br>Topical     | Page 3 of 4 |
| Reported:<br><b>18Aug2022</b>              | Started:<br>17Aug2022                 | Received:<br>16Aug2022 |             |

**Mycotoxins - Colorado Compliance**

Test ID: T000218091  
Methods: TM18 (UHPLC-QQQ)  
LCMS/MS: Mycotoxins

|                                       | Dynamic Range (ppb) | Result (ppb) | Notes |
|---------------------------------------|---------------------|--------------|-------|
| Ochratoxin A                          | 2.41 - 128.60       | ND           | N/A   |
| Aflatoxin B1                          | 1.36 - 33.06        | ND           |       |
| Aflatoxin B2                          | 1.17 - 32.90        | ND           |       |
| Aflatoxin G1                          | 1.02 - 33.44        | ND           |       |
| Aflatoxin G2                          | 1.05 - 33.51        | ND           |       |
| Total Aflatoxins (B1, B2, G1, and G2) |                     | ND           |       |

**Final Approval**

  
Samantha Smith  
22Aug2022  
02:59:00 PM MDT  
PREPARED BY / DATE

  
Jacob Miller  
22Aug2022  
03:00:00 PM MDT  
APPROVED BY / DATE


**Heavy Metals - Colorado Compliance**

Test ID: T000218089  
Methods: TM19 (ICP-MS): Heavy Metals

|         | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------|---------------------|--------------|-------|
| Arsenic | 0.05 - 4.56         | ND           |       |
| Cadmium | 0.04 - 4.44         | ND           |       |
| Mercury | 0.04 - 4.49         | ND           |       |
| Lead    | 0.04 - 4.39         | ND           |       |

**Final Approval**

  
Daniel Weidensaul  
24Aug2022  
06:50:00 PM MDT  
PREPARED BY / DATE

  
Courtney Richards  
24Aug2022  
08:09:00 PM MDT  
APPROVED BY / DATE