



Certificate ID: **122107**

Received: **2/8/24**

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**ROSEBUD**

**CBD**

Client Sample ID: **CBG Pre-Rolls 2024**


Lot Number: **21-001898**

Matrix: **Flowers/Bud-Dry Flower**

Authorization:

Chris Hudalla, Chief Science Officer

Signature:



Date:

2/16/2024



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]**

*Analyst: SD*

*Test Date: 2/12/2024*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

**122107-CN**

| ID               | Weight %      | Concentration (mg/g) |           |  |
|------------------|---------------|----------------------|-----------|--|
| <b>Δ9-THC</b>    | <b>0.0274</b> | <b>0.274</b>         |           |  |
| <b>THCV</b>      | <b>ND</b>     | <b>ND</b>            |           |  |
| <b>CBD</b>       | <b>0.115</b>  | <b>1.15</b>          |           |  |
| <b>CBDV</b>      | <b>ND</b>     | <b>ND</b>            |           |  |
| <b>CBG</b>       | <b>1.07</b>   | <b>10.7</b>          |           |  |
| <b>CBC</b>       | <b>0.235</b>  | <b>2.35</b>          |           |  |
| <b>CBN</b>       | <b>0.0182</b> | <b>0.182</b>         |           |  |
| <b>THCA</b>      | <b>ND</b>     | <b>ND</b>            |           |  |
| <b>CBDA</b>      | <b>0.145</b>  | <b>1.45</b>          |           |  |
| <b>CBGA</b>      | <b>13.3</b>   | <b>133</b>           |           |  |
| <b>CBDVA</b>     | <b>ND</b>     | <b>ND</b>            |           |  |
| <b>Δ8-THC</b>    | <b>ND</b>     | <b>ND</b>            |           |  |
| <b>exo-THC</b>   | <b>ND</b>     | <b>ND</b>            |           |  |
| <b>Total</b>     | <b>14.9</b>   | <b>149</b>           | <b>0%</b> | <b>Cannabinoids (wt%) 13.3%</b>                  |
| <b>Total THC</b> | <b>0.0274</b> | <b>0.274</b>         |           | <b>Limit of Quantitation (LOQ) = 0.00660 wt%</b> |
| <b>Total CBD</b> | <b>0.242</b>  | <b>2.42</b>          |           | <b>Limit of Detection (LOD) = 0.00220 wt%</b>    |

**Ratio of Total CBD to THC 8.8:1**

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation:  $MAX\ THC = (0.877 \times THCA) + THC$ . This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

**EA: Elemental Analysis [WI-10-13]**

Analyst: ZDV

Test Date: 2/14/2024

This sample was analyzed by elemental analysis using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for the identification of heavy metal constituents. External calibration curves for heavy metals were used for quantitation, with an additional internal reference standard. Resulting data was compared with a sample blank. This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**122107-EA**

| Symbol | Metal      | Conc. <sup>1</sup> (µg/kg) | RL (µg/kg) | Limits <sup>2</sup> (µg/kg) | Status |
|--------|------------|----------------------------|------------|-----------------------------|--------|
| Al     | Aluminum   | 74,400                     | 50         | -                           |        |
| As     | Arsenic    | ND                         | 50         | 200                         | PASS   |
| Cd     | Cadmium    | 196                        | 50         | 200                         | PASS   |
| Ca     | Calcium    | 946,000                    | 500        | -                           |        |
| Cr     | Chromium   | 74.0                       | 50         | 300                         | PASS   |
| Co     | Cobalt     | 206                        | 50         | 300                         | PASS   |
| Cu     | Copper     | 22,200                     | 50         | 3,000                       | FAIL   |
| Fe     | Iron       | 235,000                    | 50         | -                           |        |
| Pb     | Lead       | ND                         | 50         | 500                         | PASS   |
| Mg     | Magnesium  | 4,020,000                  | 50         | -                           |        |
| Mn     | Manganese  | 121,000                    | 50         | -                           |        |
| Hg     | Mercury    | ND                         | 50         | 100                         | PASS   |
| Ni     | Nickel     | 2,440                      | 50         | 500                         | FAIL   |
| P      | Phosphorus | 8,880,000                  | 500        | -                           |        |
| K      | Potassium  | 22,200,000                 | 500        | -                           |        |
| Se     | Selenium   | ND                         | 50         | -                           |        |
| Ag     | Silver     | ND                         | 50         | 700                         | PASS   |
| S      | Sulfur     | ND                         | 500        | -                           |        |
| Zn     | Zinc       | 95,000                     | 50         | -                           |        |

1) ND = None detected to the Limit of Detection (LOD)

2) USP recommended maximum daily limits for inhalational drug product.

**MB1: Microbiological Contaminants [WI-10-09]**

Analyst: BKB

Test Date: 2/8/2024

This sample was analyzed for microbiological contaminants using an automated Most Probable Number (MPN) methodology with cultured enrichments. This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**122107-MB1**

| Symbol | Analysis                                | Results | Units | Limits*       | Status |
|--------|---|---------|-------|---------------|--------|
| AC     | Total Aerobic Bacterial Count           | =210    | CFU/g | 100,000 CFU/g | PASS   |
| CC     | Total Coliform Bacterial Count          | <100    | CFU/g | 1,000 CFU/g   | PASS   |
| EB     | Total Bile Tolerant Gram Negative Count | <100    | CFU/g | 1,000 CFU/g   | PASS   |
| YM     | Total Yeast & Mold                      | <100    | CFU/g | 10,000 CFU/g  | PASS   |

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. All recorded Microbiological tests are within the established limits.

**PST: Pesticide Analysis [WI-10-11]**

Analyst: CJR

Test Date: 2/8/2024

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

**122107-PST**

| Analyte            | CAS         | Result | Units | LLD  | Limits (ppb) | Status |
|--------------------|-------------|--------|-------|------|--------------|--------|
| Abamectin          | 71751-41-2  | ND     | ppb   | 0.20 | 10           | PASS   |
| Azoxystrobin       | 131860-33-8 | ND     | ppb   | 0.10 | 100          | PASS   |
| Bifenazate         | 149877-41-8 | ND     | ppb   | 0.10 | 100          | PASS   |
| Bifenthrin         | 82657-04-3  | ND     | ppb   | 0.20 | 3000         | PASS   |
| Cyfluthrin         | 68359-37-5  | ND     | ppb   | 0.50 | 2000         | PASS   |
| Dichlorvos         | 62-73-7     | ND     | ppb   | 3.00 | 10           | PASS   |
| Etoxazole          | 153233-91-1 | ND     | ppb   | 0.10 | 100          | PASS   |
| Fenoxycarb         | 72490-01-8  | ND     | ppb   | 0.10 | 10           | PASS   |
| Imazalil           | 35554-44-0  | ND     | ppb   | 0.10 | 10           | PASS   |
| Imidacloprid       | 138261-41-3 | ND     | ppb   | 0.10 | 5000         | PASS   |
| Myclobutanil       | 88671-89-0  | ND     | ppb   | 0.10 | 100          | PASS   |
| Paclobutrazol      | 76738-62-0  | ND     | ppb   | 0.10 | 10           | PASS   |
| Piperonyl butoxide | 51-03-6     | ND     | ppb   | 0.10 | 3000         | PASS   |
| Pyrethrin          | 8003-34-7   | ND     | ppb   | 0.10 | 10           | PASS   |
| Spinosad           | 168316-95-8 | ND     | ppb   | 0.10 | 10           | PASS   |
| Spiromesifen       | 283594-90-1 | ND     | ppb   | 0.10 | 100          | PASS   |
| Spirotetramat      | 203313-25-1 | ND     | ppb   | 0.10 | 100          | PASS   |
| Trifloxystrobin    | 141517-21-7 | ND     | ppb   | 0.10 | 100          | PASS   |

\* Pesticide results reported against action limits established by the State of California Bureau of Cannabis Control, California Code of Regulations Title 16, Division 42. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (\*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample due to matrix interference.

**END OF REPORT**