

**SAMPLE NAME:** cbdMD 500mg PM Tincture 30mL

Infused, Hemp Infused

**CULTIVATOR / MANUFACTURER**

**Business Name:**

**License Number:**

**Address:**

**DISTRIBUTOR / TESTED FOR**

**Business Name:** cbdMD

**License Number:**

**Address:**



**SAMPLE DETAIL**

**Batch Number:** 20821W1

**Sample ID:** 220329N020

**Date Collected:** 03/29/2022

**Date Received:** 03/29/2022

**Batch Size:**

**Sample Size:** 1.0 units

**Unit Mass:** 30 milliliters per Unit

**Serving Size:** 1 milliliters per Serving



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

**Total THC:** **Not Detected**

**Total CBD:** **574.560 mg/unit**

**Sum of Cannabinoids:** **606.300 mg/unit**

**Total Cannabinoids:** **606.300 mg/unit**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:  
 Total THC =  $\Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$   
 Total CBD =  $\text{CBD} + (\text{CBDa} \cdot 0.877)$   
 Sum of Cannabinoids =  $\Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$   
 Total Cannabinoids =  $(\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$

**Density:** 0.9499 g/mL

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids:** **0.4935%**



**SAFETY ANALYSIS - SUMMARY**

**Pesticides:** **✓PASS**

**Mycotoxins:** **✓PASS**

**Residual Solvents:** **✓PASS**

**Heavy Metals:** **✓PASS**

**Microbiology (PCR):** **✓PASS**

**Microbiology (Plating):** **✓PASS**

**Foreign Material:** **✓PASS**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

**Sample Certification:** Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), too numerous to count >250 cfu/plate (TNCT), colony-forming unit (cfu)

*Michael Pham*  
 LQC verified by: Michael Pham  
 Date: 04/01/2022

*Josh Wurzer*  
 Approved by: Josh Wurzer, President  
 Date: 04/01/2022




## Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

### TOTAL THC: **Not Detected**

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

### TOTAL CBD: **574.560 mg/unit**

Total CBD (CBD+0.877\*CBDA)

### TOTAL CANNABINOIDS: **606.300 mg/unit**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

### TOTAL CBG: **21.540 mg/unit**

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: **ND**

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: **ND**

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: **1.530 mg/unit**

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 03/30/2022

| COMPOUND                   | LOD/LOQ (mg/mL) | MEASUREMENT UNCERTAINTY (mg/mL) | RESULT (mg/mL)      | RESULT (%)     |
|----------------------------|-----------------|---------------------------------|---------------------|----------------|
| CBD                        | 0.004 / 0.011   | ±0.7144                         | 19.152              | 2.0162         |
| CBG                        | 0.002 / 0.006   | ±0.0348                         | 0.718               | 0.0756         |
| CBN                        | 0.001 / 0.007   | ±0.0083                         | 0.289               | 0.0304         |
| CBDV                       | 0.002 / 0.012   | ±0.0021                         | 0.051               | 0.0054         |
| $\Delta^9$ -THC            | 0.002 / 0.014   | N/A                             | ND                  | ND             |
| $\Delta^8$ -THC            | 0.01 / 0.02     | N/A                             | ND                  | ND             |
| THCa                       | 0.001 / 0.005   | N/A                             | ND                  | ND             |
| THCV                       | 0.002 / 0.012   | N/A                             | ND                  | ND             |
| THCVa                      | 0.002 / 0.019   | N/A                             | ND                  | ND             |
| CBDA                       | 0.001 / 0.026   | N/A                             | ND                  | ND             |
| CBDVa                      | 0.001 / 0.018   | N/A                             | ND                  | ND             |
| CBGa                       | 0.002 / 0.007   | N/A                             | ND                  | ND             |
| CBL                        | 0.003 / 0.010   | N/A                             | ND                  | ND             |
| CBC                        | 0.003 / 0.010   | N/A                             | ND                  | ND             |
| CBCa                       | 0.001 / 0.015   | N/A                             | ND                  | ND             |
| <b>SUM OF CANNABINOIDS</b> |                 |                                 | <b>20.210 mg/mL</b> | <b>2.1276%</b> |

## Unit Mass: 30 milliliters per Unit / Serving Size: 1 milliliters per Serving

|                                 |                   |
|---------------------------------|-------------------|
| $\Delta^9$ -THC per Unit        | ND                |
| $\Delta^9$ -THC per Serving     | ND                |
| Total THC per Unit              | ND                |
| Total THC per Serving           | ND                |
| CBD per Unit                    | 574.560 mg/unit   |
| CBD per Serving                 | 19.152 mg/serving |
| Total CBD per Unit              | 574.560 mg/unit   |
| Total CBD per Serving           | 19.152 mg/serving |
| Sum of Cannabinoids per Unit    | 606.300 mg/unit   |
| Sum of Cannabinoids per Serving | 20.210 mg/serving |
| Total Cannabinoids per Unit     | 606.300 mg/unit   |
| Total Cannabinoids per Serving  | 20.210 mg/serving |

## DENSITY TEST RESULT

**0.9499 g/mL**

Tested 03/30/2022

**Method:** QSP 7870 - Sample Preparation



## Terpenoid Analysis

### TERPENOID TEST RESULTS - 04/01/2022

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

**Method:** QSP 1192 - Analysis of Terpenoids by GC-FID

**1 Menthol**  
 A monoterpenoid alcohol with a fragrance that can be described as fresh, cool and herbal. It is responsible for the distinct odor of mint. It is frequently added to cigarettes and mouthwash as a flavorant. Found in mint, sunflower, micromeria, mountain mint, rose geranium, pennyroyal, tarragon, savory, basil, juniper, couch grass, rhubarb, acinos (basil thyme), ironwort, muña...etc.

**2 trans-β-Farnesene**  
 A sesquiterpene with a fragrance that can be described as green apple. Found in green apple skin, sandalwood, cedarwood, patchouli, hops, ginger, tumeric, potatos, gardenias, ylang-ylang, grapefruit, myrrh...etc.

**3 Limonene**  
 A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

| COMPOUND                | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)     | RESULT (%)     |
|-------------------------|----------------|--------------------------------|-------------------|----------------|
| Menthol                 | 0.008 / 0.025  | ±0.0690                        | 2.212             | 0.2212         |
| trans-β-Farnesene       | 0.008 / 0.025  | ±0.0277                        | 1.003             | 0.1003         |
| Limonene                | 0.005 / 0.016  | ±0.0087                        | 0.780             | 0.0780         |
| α-Bisabolol             | 0.008 / 0.026  | ±0.0256                        | 0.616             | 0.0616         |
| Nerolidol               | 0.006 / 0.019  | ±0.0125                        | 0.255             | 0.0255         |
| β-Caryophyllene         | 0.004 / 0.012  | ±0.0011                        | 0.041             | 0.0041         |
| Pulegone                | 0.003 / 0.011  | ±0.0009                        | 0.028             | 0.0028         |
| Myrcene                 | 0.008 / 0.025  | N/A                            | <LOQ              | <LOQ           |
| Eucalyptol              | 0.006 / 0.018  | N/A                            | <LOQ              | <LOQ           |
| γ-Terpinene             | 0.006 / 0.018  | N/A                            | <LOQ              | <LOQ           |
| α-Humulene              | 0.009 / 0.029  | N/A                            | <LOQ              | <LOQ           |
| Caryophyllene Oxide     | 0.010 / 0.033  | N/A                            | <LOQ              | <LOQ           |
| α-Pinene                | 0.005 / 0.017  | N/A                            | ND                | ND             |
| Camphene                | 0.005 / 0.015  | N/A                            | ND                | ND             |
| Sabinene                | 0.004 / 0.014  | N/A                            | ND                | ND             |
| β-Pinene                | 0.004 / 0.014  | N/A                            | ND                | ND             |
| α-Phellandrene          | 0.006 / 0.020  | N/A                            | ND                | ND             |
| Δ <sup>3</sup> -Carene  | 0.005 / 0.018  | N/A                            | ND                | ND             |
| α-Terpinene             | 0.005 / 0.017  | N/A                            | ND                | ND             |
| p-Cymene                | 0.005 / 0.016  | N/A                            | ND                | ND             |
| β-Ocimene               | 0.006 / 0.020  | N/A                            | ND                | ND             |
| Sabinene Hydrate        | 0.006 / 0.022  | N/A                            | ND                | ND             |
| Fenchone                | 0.009 / 0.028  | N/A                            | ND                | ND             |
| Terpinolene             | 0.008 / 0.026  | N/A                            | ND                | ND             |
| Linalool                | 0.009 / 0.032  | N/A                            | ND                | ND             |
| Fenchol                 | 0.010 / 0.034  | N/A                            | ND                | ND             |
| Isopulegol              | 0.005 / 0.016  | N/A                            | ND                | ND             |
| Camphor                 | 0.006 / 0.019  | N/A                            | ND                | ND             |
| Isoborneol              | 0.004 / 0.012  | N/A                            | ND                | ND             |
| Borneol                 | 0.005 / 0.016  | N/A                            | ND                | ND             |
| Terpineol               | 0.009 / 0.031  | N/A                            | ND                | ND             |
| Nerol                   | 0.003 / 0.011  | N/A                            | ND                | ND             |
| Citronellol             | 0.003 / 0.010  | N/A                            | ND                | ND             |
| Geraniol                | 0.002 / 0.007  | N/A                            | ND                | ND             |
| Geranyl Acetate         | 0.004 / 0.014  | N/A                            | ND                | ND             |
| α-Cedrene               | 0.005 / 0.016  | N/A                            | ND                | ND             |
| Valencene               | 0.009 / 0.030  | N/A                            | ND                | ND             |
| Guaiol                  | 0.009 / 0.030  | N/A                            | ND                | ND             |
| Cedrol                  | 0.008 / 0.027  | N/A                            | ND                | ND             |
| <b>TOTAL TERPENOIDS</b> |                |                                | <b>4.935 mg/g</b> | <b>0.4935%</b> |



## Pesticide Analysis

PESTICIDE TEST RESULTS - 03/30/2022 ✔ PASS

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

\*GC-MS utilized where indicated.

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

*Exclusions<sup>1</sup> see last page*

*Exclusions<sup>2</sup> see last page*

| COMPOUND            | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Abamectin           | 0.03 / 0.10    | 0.3                 | N/A                            | ND            | PASS   |
| Acephate            | 0.02 / 0.07    | 5                   | N/A                            | ND            | PASS   |
| Acequinocyl         | 0.02 / 0.07    | 4                   | N/A                            | ND            | PASS   |
| Acetamiprid         | 0.02 / 0.05    | 5                   | N/A                            | ND            | PASS   |
| Aldicarb            | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Azoxystrobin        | 0.02 / 0.07    | 40                  | N/A                            | ND            | PASS   |
| Bifenazate          | 0.01 / 0.04    | 5                   | N/A                            | ND            | PASS   |
| Bifenthrin          | 0.02 / 0.05    | 0.5                 | N/A                            | ND            | PASS   |
| Boscalid            | 0.03 / 0.09    | 10                  | N/A                            | ND            | PASS   |
| Captan              | 0.19 / 0.57    | 5                   | N/A                            | ND            | PASS   |
| Carbaryl            | 0.02 / 0.06    | 0.5                 | N/A                            | ND            | PASS   |
| Carbofuran          | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorantraniliprole | 0.04 / 0.12    | 40                  | N/A                            | ND            | PASS   |
| Chlordane*          | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorfenapyr*       | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorpyrifos        | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Clofentezine        | 0.03 / 0.09    | 0.5                 | N/A                            | ND            | PASS   |
| Coumaphos           | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Cyfluthrin          | 0.12 / 0.38    | 1                   | N/A                            | ND            | PASS   |
| Cypermethrin        | 0.11 / 0.32    | 1                   | N/A                            | ND            | PASS   |
| Daminozide          | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Diazinon            | 0.02 / 0.05    | 0.2                 | N/A                            | ND            | PASS   |
| Dichlorvos (DDVP)   | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Dimethoate          | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Dimethomorph        | 0.03 / 0.09    | 20                  | N/A                            | ND            | PASS   |
| Ethoprophos         | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Etofenprox          | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Etoxazole           | 0.02 / 0.06    | 1.5                 | N/A                            | ND            | PASS   |
| Fenhexamid          | 0.03 / 0.09    | 10                  | N/A                            | ND            | PASS   |
| Fenoxycarb          | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Fenpyroximate       | 0.02 / 0.06    | 2                   | N/A                            | ND            | PASS   |
| Fipronil            | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Flonicamid          | 0.03 / 0.10    | 2                   | N/A                            | ND            | PASS   |
| Fludioxonil         | 0.03 / 0.10    | 30                  | N/A                            | ND            | PASS   |
| Hexythiazox         | 0.02 / 0.07    | 2                   | N/A                            | ND            | PASS   |
| Imazalil            | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Imidacloprid        | 0.04 / 0.11    | 3                   | N/A                            | ND            | PASS   |
| Kresoxim-methyl     | 0.02 / 0.07    | 1                   | N/A                            | ND            | PASS   |
| Malathion           | 0.03 / 0.09    | 5                   | N/A                            | ND            | PASS   |
| Metalaxyl           | 0.02 / 0.07    | 15                  | N/A                            | ND            | PASS   |
| Methiocarb          | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |

Continued on next page



## Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 03/30/2022 *continued* ✔ PASS

| COMPOUND                 | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Methomyl                 | 0.03 / 0.10    | 0.1                 | N/A                            | ND            | PASS   |
| Mevinphos                | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Myclobutanil             | 0.03 / 0.09    | 9                   | N/A                            | ND            | PASS   |
| Naled                    | 0.02 / 0.07    | 0.5                 | N/A                            | ND            | PASS   |
| Oxamyl                   | 0.04 / 0.11    | 0.2                 | N/A                            | ND            | PASS   |
| Paclobutrazol            | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Parathion-methyl         | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Pentachloronitrobenzene* | 0.03 / 0.09    | 0.2                 | N/A                            | ND            | PASS   |
| Permethrin               | 0.04 / 0.12    | 20                  | N/A                            | ND            | PASS   |
| Phosmet                  | 0.03 / 0.10    | 0.2                 | N/A                            | ND            | PASS   |
| Piperonyl Butoxide       | 0.02 / 0.07    | 8                   | N/A                            | ND            | PASS   |
| Prallethrin              | 0.03 / 0.08    | 0.4                 | N/A                            | ND            | PASS   |
| Propiconazole            | 0.02 / 0.07    | 20                  | N/A                            | ND            | PASS   |
| Propoxur                 | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Pyrethrins               | 0.04 / 0.12    | 1                   | N/A                            | ND            | PASS   |
| Pyridaben                | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spinetoram               | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spinosad                 | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spiromesifen             | 0.02 / 0.05    | 12                  | N/A                            | ND            | PASS   |
| Spirotetramat            | 0.02 / 0.06    | 13                  | N/A                            | ND            | PASS   |
| Spiroxamine              | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Tebuconazole             | 0.02 / 0.07    | 2                   | N/A                            | ND            | PASS   |
| Thiacloprid              | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Thiamethoxam             | 0.03 / 0.10    | 4.5                 | N/A                            | ND            | PASS   |
| Trifloxystrobin          | 0.03 / 0.08    | 30                  | N/A                            | ND            | PASS   |



## Mycotoxin Analysis

MYCOTOXIN TEST RESULTS - 03/30/2022 ✔ PASS

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

*Exclusions<sup>3</sup> see last page*

| COMPOUND        | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT UNCERTAINTY (µg/kg) | RESULT (µg/kg) | RESULT |
|-----------------|-----------------|----------------------|---------------------------------|----------------|--------|
| Aflatoxin B1    | 2.0 / 6.0       |                      | N/A                             | ND             |        |
| Aflatoxin B2    | 1.8 / 5.6       |                      | N/A                             | ND             |        |
| Aflatoxin G1    | 1.0 / 3.1       |                      | N/A                             | ND             |        |
| Aflatoxin G2    | 1.2 / 3.5       |                      | N/A                             | ND             |        |
| Total Aflatoxin |                 | 20                   |                                 | ND             | PASS   |
| Ochratoxin A    | 6.3 / 19.2      | 20                   | N/A                             | ND             | PASS   |



## Residual Solvents Analysis

RESIDUAL SOLVENTS TEST RESULTS - 03/31/2022 ✔ PASS

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

**Method:** QSP 1204 - Analysis of Residual Solvents by GC-MS

*Exclusions<sup>4</sup> see last page*

| COMPOUND                             | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Propane                              | 10 / 20        | 5000                | N/A                            | ND            | PASS   |
| n-Butane                             | 10 / 50        | 5000                | N/A                            | ND            | PASS   |
| n-Pentane                            | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| n-Hexane                             | 2 / 5          | 290                 | N/A                            | ND            | PASS   |
| n-Heptane                            | 20 / 60        | 5000                | N/A                            | ND            | PASS   |
| Benzene                              | 0.03 / 0.09    | 1                   | N/A                            | ND            | PASS   |
| Toluene                              | 7 / 21         | 890                 | N/A                            | ND            | PASS   |
| Total Xylenes                        | 50 / 160       | 2170                | N/A                            | ND            | PASS   |
| Methanol                             | 50 / 200       | 3000                | N/A                            | ND            | PASS   |
| Ethanol                              | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| 2-Propanol (Isopropyl Alcohol)       | 10 / 40        | 5000                | N/A                            | ND            | PASS   |
| Acetone                              | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| Ethyl Ether                          | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| Ethylene Oxide                       | 0.3 / 0.8      | 1                   | N/A                            | ND            | PASS   |
| Ethyl Acetate                        | 20 / 60        | 5000                | N/A                            | ND            | PASS   |
| Chloroform                           | 0.1 / 0.2      | 1                   | N/A                            | ND            | PASS   |
| Dichloromethane (Methylene Chloride) | 0.3 / 0.9      | 1                   | N/A                            | ND            | PASS   |
| Trichloroethylene                    | 0.1 / 0.3      | 1                   | N/A                            | ND            | PASS   |
| 1,2-Dichloroethane                   | 0.05 / 0.1     | 1                   | N/A                            | ND            | PASS   |
| Acetonitrile                         | 2 / 7          | 410                 | N/A                            | ND            | PASS   |

## Heavy Metals Analysis

HEAVY METALS TEST RESULTS - 03/30/2022 ✔ PASS

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

**Method:** QSP 1160 - Analysis of Heavy Metals by ICP-MS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|----------|----------------|---------------------|--------------------------------|---------------|--------|
| Arsenic  | 0.02 / 0.1     | 0.42                | N/A                            | ND            | PASS   |
| Cadmium  | 0.02 / 0.05    | 0.27                | N/A                            | ND            | PASS   |
| Lead     | 0.04 / 0.1     | 0.5                 | N/A                            | ND            | PASS   |
| Mercury  | 0.002 / 0.01   | 0.4                 | N/A                            | ND            | PASS   |

## Microbiology Analysis

PCR AND PLATING

MICROBIOLOGY TEST RESULTS (PCR) - 04/01/2022 ✔ PASS

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

**Method:** QSP 1221 - Analysis of Microbiological Contaminants

| COMPOUND                                      | ACTION LIMIT       | RESULT | RESULT |
|---|--------------------|--------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Not Detected in 1g | ND     | PASS   |
| <i>Salmonella</i> spp.                        | Not Detected in 1g | ND     | PASS   |
| <i>Listeria monocytogenes</i>                 | Not Detected in 1g | ND     | PASS   |



### Microbiology Analysis *Continued*

**MICROBIOLOGY TEST RESULTS (PLATING) - 04/01/2022** ✔ PASS

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

**Method:** QSP 6794 - Plating with 3M™ Petrifilm™

| COMPOUND               | ACTION LIMIT (cfu/g) | RESULT (cfu/g) | RESULT |
|------------------------|----------------------|----------------|--------|
| Total Aerobic Bacteria | 100                  | ND             | PASS   |
| Total Yeast and Mold   | 10                   | ND             | PASS   |



### Foreign Material Analysis

**FOREIGN MATERIAL TEST RESULTS - 03/30/2022** ✔ PASS

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

**Method:** QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

| COMPOUND  | ACTION LIMIT    | RESULT |
|---|-----------------|--------|
| Total Sample Area Covered by Sand, Soil, Cinders, or Dirt | >25%            | PASS   |
| Total Sample Area Covered by Mold                         | >25%            | PASS   |
| Total Sample Area Covered by an Imbedded Foreign Material | >25%            | PASS   |
| Insect Fragment Count                                     | > 1 per 3 grams | PASS   |
| Hair Count  | > 1 per 3 grams | PASS   |
| Mammalian Excreta Count                                   | > 1 per 3 grams | PASS   |

#### NOTES

- Exclusions: QSP 1212 - Sample Certification: California Code of Regulation Title 4 Division 19
- Exclusions: QSP 1213 - Sample Certification: California Code of Regulation Title 4 Division 19
- Exclusions: Sample Certification: California Code of Regulation Title 4 Division 19
- Exclusions: Sample Certification: California Code of Regulation Title 4 Division 19