

**SAMPLE NAME: cbdPM PM Tincture Berry 1500 mg**

Infused, Hemp Infused

**CULTIVATOR / MANUFACTURER**

Business Name:

License Number:

Address:

**DISTRIBUTOR / TESTED FOR**

Business Name: cbdMD

License Number:

Address:



**SAMPLE DETAIL**

Batch Number: 12651W4

Sample ID: 210927N010

Date Collected: 09/27/2021

Date Received: 09/27/2021

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: **1293.360 mg/unit**

Sum of Cannabinoids: **1669.890 mg/unit**

Total Cannabinoids: **1669.890 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 =  $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDA}) +$

$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$

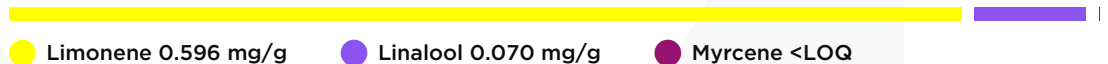
$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

Density: **0.9493 g/mL**

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: **0.0666%**



● Limonene 0.596 mg/g

● Linalool 0.070 mg/g

● Myrcene <LOQ

**SAFETY ANALYSIS - SUMMARY**

Pesticides: **✓PASS**

Mycotoxins: **✓PASS**

Residual Solvents: **✓PASS**

Heavy Metals: **✓PASS**

Microbiology (PCR): **✓PASS**

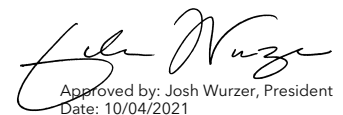
Microbiology (Plating): **✓PASS**

For quality assurance purposes. Not a Pre-Harvest 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:** California Code of Regulations Title 16 Effect Date January 16, 2019. Authority: Section 26013, Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**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 (TNTC), colony-forming unit (cfu)



Approved by: Josh Wurzer, President  
Date: 10/04/2021



## 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: 1293.360 mg/unit**

Total CBD (CBD+0.877\*CBDA)

**TOTAL CANNABINOIDS: 1669.890 mg/unit**

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

**TOTAL CBG: 46.320 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: 2.340 mg/unit**

Total CBDV (CBDV+0.877\*CBDVa)

### CANNABINOID TEST RESULTS - 09/29/2021

| COMPOUND                   | LOD/LOQ (mg/mL) | MEASUREMENT mg/mL | RESULT (mg/mL)      | RESULT (%)     |
|----------------------------|-----------------|-------------------|---------------------|----------------|
| CBD                        | 0.004 / 0.011   | $\pm 2.0651$      | 43.112              | 4.5415         |
| CBN                        | 0.001 / 0.007   | $\pm 0.4033$      | 10.929              | 1.1513         |
| CBG                        | 0.002 / 0.006   | $\pm 0.0960$      | 1.544               | 0.1626         |
| CBDV                       | 0.002 / 0.012   | $\pm 0.0041$      | 0.078               | 0.0082         |
| $\Delta 9$ 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>55.663 mg/mL</b> | <b>5.8636%</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                    | 1293.360 mg/unit  |
| CBD per Serving                 | 43.112 mg/serving |
| Total CBD per Unit              | 1293.360 mg/unit  |
| Total CBD per Serving           | 43.112 mg/serving |
| Sum of Cannabinoids per Unit    | 1669.890 mg/unit  |
| Sum of Cannabinoids per Serving | 55.663 mg/serving |
| Total Cannabinoids per Unit     | 1669.890 mg/unit  |
| Total Cannabinoids per Serving  | 55.663 mg/serving |

### DENSITY TEST RESULT

0.9493 g/mL

Tested 09/29/2021

Method: QSP 7870 - Sample Preparation



## Terpenoid Analysis

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

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

### 1 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.

### 2 Linalool

A monoterpene alcohol with a fragrance that can be described as spicy, waxy, citrus and floral. It is commonly used as an insecticide against cockroaches, flies, fleas and other insects. Found in basil, lavender, cinnamon, hops, mugwort, goldenrods...etc.

### 3 Myrcene


A monoterpene with a fragrance that can be described as peppery, spicy, herbal, floral and woody. Although it has a pleasant odor, it is typically used by the perfume industry as precursor for developing other fragrances. Found in hops, houthuynia, bay, thyme, lemon grass, mango, verbena, cardamom, citrus...etc.

## TERPENOID TEST RESULTS - 09/29/2021

| COMPOUND                | LOD/LOQ (mg/g) | MEASUREMENT mg/g | RESULT (mg/g)     | RESULT (%)     |
|-------------------------|----------------|------------------|-------------------|----------------|
| Limonene                | 0.005 / 0.016  | ±0.0085          | 0.596             | 0.0596         |
| Linalool                | 0.009 / 0.032  | ±0.0027          | 0.070             | 0.0070         |
| Myrcene                 | 0.008 / 0.025  | 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             |
| 3 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             |
| Eucalyptol              | 0.006 / 0.018  | N/A              | ND                | ND             |
| Ocimene                 | 0.011 / 0.038  | N/A              | ND                | ND             |
| γ Terpinene             | 0.006 / 0.018  | 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             |
| 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             |
| Menthol                 | 0.008 / 0.025  | N/A              | ND                | ND             |
| Terpineol               | 0.016 / 0.055  | N/A              | ND                | ND             |
| Nerol                   | 0.003 / 0.011  | N/A              | ND                | ND             |
| Citronellol             | 0.003 / 0.010  | N/A              | ND                | ND             |
| R-(+)-Pulegone          | 0.003 / 0.011  | 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             |
| β Caryophyllene         | 0.004 / 0.012  | N/A              | ND                | ND             |
| trans-β-Farnesene       | 0.008 / 0.025  | N/A              | ND                | ND             |
| α Humulene              | 0.009 / 0.029  | N/A              | ND                | ND             |
| Valencene               | 0.009 / 0.030  | N/A              | ND                | ND             |
| Nerolidol               | 0.009 / 0.028  | N/A              | ND                | ND             |
| Caryophyllene Oxide     | 0.010 / 0.033  | N/A              | ND                | ND             |
| Guaiol                  | 0.009 / 0.030  | N/A              | ND                | ND             |
| Cedrol                  | 0.008 / 0.027  | N/A              | ND                | ND             |
| α Bisabolol             | 0.008 / 0.026  | N/A              | ND                | ND             |
| <b>TOTAL TERPENOIDS</b> |                |                  | <b>0.666 mg/g</b> | <b>0.0666%</b> |



 **Pesticide Analysis**

PESTICIDE TEST RESULTS - 09/29/2021  **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

| COMPOUND            | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT 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   |
| DDVP (Dichlorvos)   | 0.03 / 0.09    | ≥ LOD               | N/A              | ND            | PASS   |
| Diazinon            | 0.02 / 0.05    | 0.2                 | N/A              | ND            | PASS   |
| Dimethoate          | 0.03 / 0.08    | ≥ LOD               | N/A              | ND            | PASS   |
| Dimethomorph        | 0.03 / 0.09    | 20                  | N/A              | ND            | PASS   |
| Ethoprop(hos)       | 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   |

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 **Pesticide Analysis** *Continued*

PESTICIDE TEST RESULTS - 09/29/2021 *continued*  **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

| COMPOUND                 | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT µg/g | RESULT (µg/g) | RESULT |
|--------------------------|----------------|---------------------|------------------|---------------|--------|
| Methomyl                 | 0.03 / 0.10    | 0.1                 | N/A              | ND            | PASS   |
| Methyl parathion         | 0.03 / 0.10    | ≥ LOD               | 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   |
| Pacllobutrazol           | 0.02 / 0.05    | ≥ 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   |
| Piperonylbutoxide        | 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 - 09/29/2021  **PASS**

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

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

| COMPOUND        | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT µg/kg | RESULT (µg/kg) | RESULT |
|-----------------|-----------------|----------------------|-------------------|----------------|--------|
| Aflatoxin B1    | 2.0 / 6.0       | 5                    | N/A               | ND             | PASS   |
| Aflatoxin B2    | 1.8 / 5.6       | 20                   | N/A               | ND             | PASS   |
| Aflatoxin G1    | 1.0 / 3.1       | 20                   | N/A               | ND             | PASS   |
| Aflatoxin G2    | 1.2 / 3.5       | 20                   | N/A               | ND             | PASS   |
| Total Aflatoxin |                 | 20                   |                   | ND             | PASS   |
| Ochratoxin A    | 6.3 / 19.2      | 5                    | N/A               | ND             | PASS   |



### Residual Solvents Analysis

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

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

### RESIDUAL SOLVENTS TEST RESULTS - 09/29/2021 PASS

| COMPOUND           | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT µg/g | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|------------------|---------------|--------|
| Propane            | 10 / 20        | 5000                | N/A              | ND            | PASS   |
| Butane             | 10 / 50        | 5000                | N/A              | ND            | PASS   |
| Pentane            | 20 / 50        | 5000                | N/A              | ND            | PASS   |
| Hexane             | 2 / 5          | 290                 | N/A              | ND            | PASS   |
| 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                | ±4.5             | 119           | PASS   |
| 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   |
| 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 metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

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

### HEAVY METALS TEST RESULTS - 09/28/2021 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT 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

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

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

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

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

### MICROBIOLOGY TEST RESULTS (PCR) - 10/01/2021 ✔ PASS

| 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>                 | Detect             | ND     | PASS   |

### MICROBIOLOGY TEST RESULTS (PLATING) - 10/01/2021 ✔ PASS

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

#### NOTES

Sample Certification: Updated to meet California Code of Regulations Title 16

