

SAMPLE NAME: pawcbd Tincture Canine Calming 250 mg

Infused, Non-Inhalable

CULTIVATOR / MANUFACTURER

Business Name:

License Number:

Address:

DISTRIBUTOR

Business Name: Paw CBD

License Number:

Address:

SAMPLE DETAIL

Batch Number: 01751J1.1

Sample ID: 200626Q001

Date Collected: 06/26/2020

Date Received: 06/26/2020

Batch Size:

Sample Size: 1.0 Unit(s)

Unit Mass: 30 Milliliters per Unit

Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 263.760 mg/unit

Sum of Cannabinoids: 271.500 mg/unit

Total Cannabinoids: 271.500 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 = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

Moisture: NT

Density: 0.9456 g/mL

Viscosity: NT

SAFETY ANALYSIS - SUMMARY

$\Delta 9\text{THC}$ per Unit: ✔ PASS

Foreign Material: NT

Water Activity: NT

Vitamin E Acetate: NT

Pesticides: NT

Mycotoxins: NT

Residual Solvents: NT

Heavy Metals: NT

Microbial Impurities (PCR): ✔ PASS

Microbial Impurities (Plating): ND

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)

Randi Vuong
 LOC verified by: Randi Vuong
 Date: 06/29/2020

Josh Wurzer
 Approved by: Josh Wurzer, President
 Date: 06/29/2020



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 (Δ^9 THC+0.877*THCa)

TOTAL CBD: 263.760 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 271.500 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 THC + CBL + CBN

TOTAL CBG: 4.770 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: 1.050 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 06/27/2020

| COMPOUND | LOD/LOQ (mg/mL) | MEASUREMENT UNCERTAINTY (mg/mL) | RESULT (mg/mL) | RESULT (%) |
|----------------------------|-----------------|---------------------------------|--------------------|----------------|
| CBD | 0.004 / 0.011 | ±0.4211 | 8.792 | 0.9298 |
| CBG | 0.002 / 0.005 | ±0.0099 | 0.159 | 0.0168 |
| CBN | 0.001 / 0.004 | ±0.0024 | 0.064 | 0.0068 |
| CBDV | 0.002 / 0.007 | ±0.0018 | 0.035 | 0.0037 |
| Δ^9 THC | 0.002 / 0.005 | N/A | ND | ND |
| Δ^8 THC | 0.01 / 0.02 | N/A | ND | ND |
| THCa | 0.001 / 0.002 | N/A | ND | ND |
| THCV | 0.002 / 0.008 | N/A | ND | ND |
| THCVa | 0.002 / 0.005 | N/A | ND | ND |
| CBDA | 0.001 / 0.003 | N/A | ND | ND |
| CBDVa | 0.001 / 0.003 | N/A | ND | ND |
| CBGa | 0.002 / 0.006 | N/A | ND | ND |
| CBL | 0.003 / 0.008 | N/A | ND | ND |
| CBC | 0.003 / 0.010 | N/A | ND | ND |
| CBCa | 0.001 / 0.004 | N/A | ND | ND |
| SUM OF CANNABINOIDS | | | 9.050 mg/mL | 0.9571% |

Unit Mass: 30 Milliliters per Unit

| | | | |
|------------------------------|--------------------------|-----------------|------|
| Δ^9 THC per Unit | 1000.0 per-package limit | ND | PASS |
| Total THC per Unit | | ND | |
| CBD per Unit | | 263.760 mg/unit | |
| Total CBD per Unit | | 263.760 mg/unit | |
| Sum of Cannabinoids per Unit | | 271.500 mg/unit | |
| Total Cannabinoids per Unit | | 271.500 mg/unit | |

MOISTURE TEST RESULT

| |
|------------|
| Not Tested |
|------------|

DENSITY TEST RESULT

| |
|---|
| 0.9456 g/mL |
| Tested 06/27/2020 |
| Method: QSP - (1152) Sample Preparation |

VISCOSITY TEST RESULT

| |
|------------|
| Not Tested |
|------------|



 **Microbial Impurities Analysis**
 PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial impurities.

Method: QSP - (1221) Analysis of Microbial Impurities

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbial impurities.

Method: QSP - (6794) Plating with 3M™ Petrifilm™

MICROBIAL IMPURITIES TEST RESULTS (PCR) - 06/29/2020 ✔ PASS

| COMPOUND | ACTION LIMIT | RESULT | RESULT |
|---|--------------|--------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Detect | ND | PASS |
| <i>Salmonella</i> spp. | Detect | ND | PASS |
| <i>Aspergillus fumigatus</i> | | NT | |
| <i>Aspergillus flavus</i> | | NT | |
| <i>Aspergillus niger</i> | | NT | |
| <i>Aspergillus terreus</i> | | NT | |

MICROBIAL IMPURITIES TEST RESULTS (PLATING) - 06/29/2020 ND

| COMPOUND | RESULT (cfu/g) |
|----------------------|----------------|
| Aerobic Plate Count | ND |
| Total Yeast and Mold | ND |

