## PharmLabs San Diego Certificate of Analysis

Sample **FM - Blueberry**

| Delta9 THC | THCa | Total THC (THCa * 0.877 + THC) | Delta8 THC |
|---|---|---|---|
| 0.21% | 0.08% | 0.28% | 1.30% |

| | | |
|---|---|---|
| Sample ID **SD250815-069 (121330)** | Matrix **Flower** | Batch ID **12062025** |
| Tested for **Lost Distribution** | | |
| Sampled **-** Received **Aug 15, 2025** | Reported **Feb 23, 2026** | |
| Analyses executed **GA-FPC** | | |

**Laboratory note**: COA Update 9/26/25 "Tested For" and Batch ID updated as per client request COA Update 2/23/26 Batch ID updated as per client request

## CANx - Cannabinoids

Analyzed **Aug 08, 2025** | Instrument **HPLC-VWD** | Method **SOP-001**

The expanded Uncertainty of the Cannabinoids analysis is approximately **±7.81%** at the 95% Confidence Level

| Analyte | LOD mg/g | LOQ mg/g | Result % | Result mg/g |
|---|---|---|---|---|
| 11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV) | 0.013 | 0.041 | ND | ND |
| Cannabidiorcin (CBDO) | 0.006 | 0.02 | ND | ND |
| Abnormal Cannabidiorcin (a-CBDO) | 0.013 | 0.038 | ND | ND |
| (+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC) | 0.015 | 0.045 | ND | ND |
| 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC) | 0.015 | 0.045 | ND | ND |
| Cannabidiolic Acid (CBDA) | 0.033 | 0.16 | 0.04 | 0.39 |
| Cannabigerol Acid (CBGA) | 0.033 | 0.16 | 6.63 | 66.29 |
| Cannabigerol (CBG) | 0.048 | 0.16 | 0.38 | 3.84 |
| Cannabidiol (CBD) | 0.069 | 0.229 | <LOQ | <LOQ |
| 1(S)-Tetrahydrocannabidiol (1(S)-H4-CBD) | 0.008 | 0.026 | ND | ND |
| 1(R)-Tetrahydrocannabidiol (1(R)-H4-CBD) | 0.016 | 0.049 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 0.049 | 0.162 | ND | ND |
| Δ8-tetrahydrocannabivarin (Δ8-THCV) | 0.012 | 0.036 | ND | ND |
| Cannabidihexol (CBDH) | 0.014 | 0.042 | ND | ND |
| Tetrahydrocannabutol (Δ9-THCB) | 0.01 | 0.029 | ND | ND |
| Cannabinol (CBN) | 0.047 | 0.16 | <LOQ | <LOQ |
| Cannabidiphorol (CBDP) | 0.016 | 0.049 | ND | ND |
| exo-THC (exo-THC) | 0.016 | 0.8 | ND | ND |
| Tetrahydrocannabinol (Δ9-THC) | 0.092 | 0.307 | 0.21 | 2.10 |
| Δ8-tetrahydrocannabinol (Δ8-THC) | 0.044 | 0.16 | 1.30 | 13.02 |
| (6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10) | 0.015 | 0.8 | ND | ND |
| Hexahydrocannabinol (S Isomer) (9s-HHC) | 0.017 | 0.8 | ND | ND |
| (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10) | 0.007 | 0.8 | ND | ND |
| Hexahydrocannabinol (R Isomer) (9r-HHC) | 0.016 | 0.8 | ND | ND |
| Tetrahydrocannabinolic Acid (THCA) | 0.117 | 0.389 | 0.08 | 0.85 |
| Δ9-Tetrahydrocannabihexol (Δ9-THCH) | 0.02 | 0.061 | ND | ND |
| Cannabinol Acetate (CBNO) | 0.009 | 0.027 | ND | ND |
| 9(S)-Hexahydrocannabinolic Acid (9(S)-HHCa) | 0.063 | 0.065 | ND | ND |
| 9(R)-Hexahydrocannabinolic Acid (9(R)-HHCa) | 0.191 | 0.196 | ND | ND |
| Δ9-Tetrahydrocannabiphorol (Δ9-THCP) | 0.017 | 0.8 | 4.66 | 46.64 |
| Δ8-Tetrahydrocannabiphorol (Δ8-THCP) | 0.041 | 0.8 | 1.36 | 13.55 |
| Cannabicitran (CBT) | 0.005 | 0.16 | ND | ND |
| Δ8-THC-O-acetate (Δ8-THCO) | 0.076 | 0.8 | ND | ND |
| 9(S)-HHCP (s-HHCP) | 0.013 | 0.041 | ND | ND |
| Δ9-THC-O-acetate (Δ9-THCO) | 0.066 | 0.8 | ND | ND |
| 9(R)-HHCP (r-HHCP) | 0.015 | 0.045 | ND | ND |
| 9(S)-HHC-O-acetate (s-HHCO) | 0.037 | 0.112 | ND | ND |
| 9(R)-HHC-O-acetate (r-HHCO) | 0.031 | 0.093 | ND | ND |
| 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8) | 0.021 | 0.062 | ND | ND |
| **Total THC** ( THCa * 0.877 + Δ9THC ) | | | 0.28 | 2.85 |
| **Total THC + Δ8THC + Δ10THC** ( THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC ) | | | 1.59 | 15.87 |
| **Total CBD** ( CBDa * 0.877 + CBD ) | | | 0.03 | 0.34 |
| **Total CBG** ( CBGa * 0.877 + CBG ) | | | 6.20 | 61.98 |
| **Total HHC** ( 9r-HHC + 9s-HHC ) | | | ND | ND |
| **Total Cannabinoids Analyzed** | | | 13.84 | 138.37 |

Sample photography




*Dry Weight %

## HME - Heavy Metals

Analyzed **Aug 26, 2025** | Instrument **ICP/MSMS** | Method **SOP-005**

| Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|---|---|---|---|---|
| Arsenic (As) | 0.0009 | 0.0027 | 0.07 | 0.2 |
| Cadmium (Cd) | 0.0005 | 0.0015 | 0.05 | 0.2 |
| Mercury (Hg) | 0.0058 | 0.0174 | 0.00 | 0.2 |
| Lead (Pb) | 0.0006 | 0.0018 | 0.06 | 0.2 |

**UI** Unidentified
**ND** Not Detected
**N/A** Not Applicable
**NT** Not Reported
**LOD** Limit of Detection
**LOQ** Limit of Quantification
**<LOQ** Detected
**>ULOL** Above upper limit of linearity
**CFU/g** Colony Forming Units per 1 gram
**TNTC** Too Numerous to Count

PJLA Testing Acc. #85368

DEA license: RP0611043

ISO/IEC 17025:2017 Acc. 85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager
Mon, 23 Feb 2026 15:48:12 -0800



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## MIBIG - Microbial

Analyzed **Aug 19, 2025** | Instrument **Plating** | Method **SOP-007**

| Analyte | LOD CFU/g | LOQ CFU/g | Result CFU/g | Limit CFU/g |
|---|---|---|---|---|
| Shiga toxin-producing Escherichia Coli | 1.0 | 1.0 | ND | 1 |
| Salmonella spp. | 1.0 | 1.0 | ND | N/A |
| Aspergillus fumigatus | 1.0 | 1.0 | Negative | 1 |
| Aspergillus flavus | 1.0 | 1.0 | Negative | 1 |
| Aspergillus niger | 1.0 | 1.0 | Negative | 1 |
| Aspergillus terreus | 1.0 | 1.0 | Negative | 1 |

## MTO - Mycotoxin

Analyzed **Aug 19, 2025** | Instrument **LC/MSMS** | Method **SOP-004**

| Analyte | LOD ug/kg | LOQ ug/kg | Result ug/kg | Limit ug/kg | Analyte | LOD ug/kg | LOQ ug/kg | Result ug/kg | Limit ug/kg |
|---|---|---|---|---|---|---|---|---|---|
| Ochratoxin A | 5.0 | 20.0 | ND | 20 | Aflatoxin B1 | 2.5 | 5.0 | ND | 20 |
| Aflatoxin B2 | 2.5 | 5.0 | ND | 20 | Aflatoxin G1 | 2.5 | 5.0 | ND | 20 |
| Aflatoxin G2 | 2.5 | 5.0 | ND | 20 | Total Aflatoxins | 10.0 | 20.0 | ND | 20 |

**UI** Unidentified
**ND** Not Detected
**N/A** Not Applicable
**NT** Not Reported
**LOD** Limit of Detection
**LOQ** Limit of Quantification
**<LOQ** Detected
**>ULOL** Above upper limit of linearity
**CFU/g** Colony Forming Units per 1 gram
**TNTC** Too Numerous to Count

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## PES - Pesticides

Analyzed **Aug 25, 2025** | Instrument **LC/MSMS GC/MSMS** | Method **SOP-003**

| Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|---|---|---|---|---|---|---|---|---|---|
| Aldicarb | 0.01 | 0.02 | ND | 0.02 | Carbofuran | 0.01 | 0.02 | ND | 0.02 |
| Dimethoate | 0.01 | 0.02 | ND | 0.02 | Etofenprox | 0.02 | 0.1 | ND | 0.1 |
| Fenoxycarb | 0.01 | 0.02 | ND | 0.02 | Thiachloprid | 0.01 | 0.02 | ND | 0.02 |
| Daminozide | 0.01 | 0.03 | ND | 0.03 | Dichlorvos | 0.02 | 0.07 | ND | 0.07 |
| Imazalil | 0.02 | 0.07 | ND | 0.07 | Methiocarb | 0.01 | 0.02 | ND | 0.02 |
| Spiroxamine | 0.01 | 0.02 | ND | 0.02 | Coumaphos | 0.01 | 0.02 | ND | 0.02 |
| Fipronil | 0.01 | 0.1 | ND | 0.1 | Paclobutrazol | 0.01 | 0.03 | ND | 0.03 |
| Chlorpyrifos | 0.01 | 0.04 | ND | 0.04 | Ethoprophos (Prophos) | 0.01 | 0.02 | ND | 0.02 |
| Baygon (Propoxur) | 0.01 | 0.02 | ND | 0.02 | Chlordane | 0.04 | 0.1 | ND | 0.1 |
| Chlorfenapyr | 0.03 | 0.1 | ND | 0.1 | Methyl Parathion | 0.02 | 0.1 | ND | 0.1 |
| Mevinphos | 0.03 | 0.08 | ND | 0.08 | Abamectin | 0.03 | 0.08 | ND | 0.08 |
| Acephate | 0.02 | 0.05 | ND | 0.05 | Acetamiprid | 0.01 | 0.05 | ND | 0.05 |
| Azoxystrobin | 0.01 | 0.02 | ND | 0.02 | Bifenazate | 0.01 | 0.05 | ND | 0.05 |
| Bifenthrin | 0.02 | 0.35 | ND | 0.1 | Boscalid | 0.01 | 0.03 | ND | 0.03 |
| Carbaryl | 0.01 | 0.02 | ND | 0.02 | Chlorantraniliprole | 0.01 | 0.04 | ND | 0.04 |
| Clofentezine | 0.01 | 0.03 | ND | 0.03 | Diazinon | 0.01 | 0.02 | ND | 0.02 |
| Dimethomorph | 0.02 | 0.06 | ND | 0.06 | Etoxazole | 0.01 | 0.05 | ND | 0.05 |
| Fenpyroximate | 0.02 | 0.1 | ND | 0.1 | Flonicamid | 0.01 | 0.02 | ND | 0.02 |
| Fludioxonil | 0.01 | 0.05 | ND | 0.05 | Hexythiazox | 0.01 | 0.03 | ND | 0.03 |
| Imidacloprid | 0.01 | 0.05 | ND | 0.05 | Kresoxim-methyl | 0.01 | 0.03 | ND | 0.03 |
| Malathion | 0.01 | 0.05 | ND | 0.05 | Metalaxyl | 0.01 | 0.02 | ND | 0.02 |
| Methomyl | 0.02 | 0.05 | ND | 0.05 | Myclobutanil | 0.02 | 0.07 | ND | 0.07 |
| Naled | 0.01 | 0.02 | ND | 0.02 | Oxamyl | 0.01 | 0.02 | ND | 0.02 |
| Permethrin | 0.01 | 0.02 | ND | 0.02 | Phosmet | 0.01 | 0.02 | ND | 0.02 |
| Piperonyl Butoxide | 0.02 | 0.06 | ND | 0.06 | Propiconazole | 0.03 | 0.08 | ND | 0.08 |
| Prallethrin | 0.02 | 0.05 | ND | 0.05 | Pyrethrin | 0.05 | 0.41 | ND | 0.1 |
| Pyridaben | 0.02 | 0.07 | ND | 0.07 | Spinosad A | 0.01 | 0.05 | ND | 0.05 |
| Spinosad D | 0.01 | 0.05 | ND | 0.05 | Spiromesifen | 0.02 | 0.06 | ND | 0.06 |
| Spirotetramat | 0.01 | 0.02 | ND | 0.02 | Tebuconazole | 0.01 | 0.02 | ND | 0.02 |
| Thiamethoxam | 0.01 | 0.02 | ND | 0.02 | Trifloxystrobin | 0.01 | 0.02 | ND | 0.02 |
| Acequinocyl | 0.02 | 0.09 | ND | 0.09 | Captan | 0.01 | 0.02 | ND | 0.02 |
| Cypermethrin | 0.02 | 0.1 | ND | 0.1 | Cyfluthrin | 0.04 | 0.1 | ND | 0.1 |
| Fenhexamid | 0.02 | 0.07 | ND | 0.07 | Spinetoram J,L | 0.02 | 0.07 | ND | 0.07 |
| Pentachloronitrobenzene | 0.01 | 0.1 | ND | 0.1 | | | | | |

## RES - Residual Solvents

Analyzed **Aug 26, 2025** | Instrument **GC/FID with Headspace Analyzer** | Method **SOP-006**

| Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|---|---|---|---|---|---|---|---|---|---|
| Propane (Prop) | 0.044 | 0.4 | 75.5 | N/A | Butane (But) | 0.02 | 0.4 | ND | 800 |
| Methanol (Metha) | 1.176 | 3.92 | 2367.5 | N/A | Ethylene Oxide (EthOx) | 0.08 | 0.4 | ND | N/A |
| Pentane (Pen) | 0.024 | 0.4 | ND | N/A | Ethanol (Ethan) | 0.048 | 0.4 | ND | 5000 |
| Ethyl Ether (EthEt) | 0.036 | 0.4 | ND | N/A | Acetone (Acet) | 0.044 | 0.4 | 177.6 | N/A |
| Isopropanol (2-Pro) | 1.16 | 3.868 | <LOQ | N/A | Acetonitrile (Acetonit) | 0.888 | 2.952 | <LOQ | N/A |
| Methylene Chloride (MetCh) | 0.04 | 0.4 | ND | N/A | Hexane (Hex) | 0.012 | 0.4 | 50.0 | 100 |
| Ethyl Acetate (EthAc) | 0.032 | 0.4 | ND | N/A | Chloroform (Clo) | 0.028 | 0.4 | ND | N/A |
| Benzene (Ben) | 0.012 | 0.4 | ND | N/A | 1-2-Dichloroethane (12-Dich) | 0.024 | 0.4 | ND | N/A |
| Heptane (Hep) | 0.012 | 0.4 | ND | 500 | Trichloroethylene (TriClEth) | 0.072 | 0.4 | ND | N/A |
| Toluene | 0.036 | 0.4 | ND | N/A | Xylenes (Xyl) | 0.012 | 0.4 | ND | N/A |

## FVI - Filth & Foreign Material Inspection

Analyzed **Aug 15, 2025** | Instrument **Microscope** | Method **SOP-010**

| Analyte / Limit | Result | Analyte / Limit | Result |
|---|---|---|---|
| > 1/4 of the total sample area covered by sand, soil, cinders, or dirt | ND | > 1/4 of the total sample area covered by mold | ND |
| > 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3g | ND | > 1/4 of the total sample area covered by an imbedded foreign material | ND |

## MWA - Moisture Content & Water Activity

Analyzed **Aug 08, 2025** | Instrument **Chilled-mirror Dewpoint and Capacitance** | Method **SOP-008**

| Analyte | LOD $a_w$ | LOQ $a_w$ | Result | Limit | Analyte | LOD % M/w | LOQ % M/w | Result | Limit |
|---|---|---|---|---|---|---|---|---|---|
| Water Activity (WA) | 0.03 | 0.03 | 0.62 $a_w$ | | Moisture (Moi) | 0.0 | 0.0 | 9.1 % Mw | |

## MICx - Microbial X

Analyzed **Aug 25, 2025** | Instrument **Plating** | Method **SOP-007**

| Analyte | LOD CFU/G | LOQ CFU/G | Result CFU/G | Limit CFU/G |
|---|---|---|---|---|
| Total Yeast & Molds (TYM) | 1.0 | 1.0 | 12 | 10000 |
| Listeria (LIS) | 1.0 | 1.0 | ND | N/A |
| Gram Negative Bacteria (BTGN) | 1.0 | 1.0 | 230 | 1000 |
| Total Viable Aerobic Bacteria (TVAB) | 1.0 | 1.0 | 1100 | 100000 |

**UI** Unidentified
**ND** Not Detected
**N/A** Not Applicable
**NT** Not Reported
**LOD** Limit of Detection
**LOQ** Limit of Quantification
**<LOQ** Detected
**>ULOL** Above upper limit of linearity
**CFU/g** Colony Forming Units per 1 gram
**TNTC** Too Numerous to Count

PJLA Testing Acc. #85368

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Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager
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