

PharmLabs San Diego Certificate of Analysis



Sample Sumo 2ct Mango

Delta9 THC 0.20% | THCa ND | Total THC (THCa * 0.877 + THC) 0.20% | Delta8 THC 4.06%

Sample ID SD251028-027 (125598) Matrix Edible Batch ID F4J1PM2-3
Tested for Fresh Farms E-Liquid LLC
Cultivator/Manufacturer/Microbusiness License FDAC #424823 Address 2751 Commerce Center Way, Unit 400, Pembroke Park, FL, 33023-5993 Name Bio Minerals Pharma LLC
Received Oct 28, 2025 Reported Nov 13, 2025
Analyses executed D9C, GA-FPC Unit Mass (g) 9.3 Num. of Servings 2 Serving Size (g) 4.65

Laboratory note: The licensee holds a current and valid permit as referenced in the Cultivator/Manufacturer/Microbusiness License field, and the facility meets the human health or food safety sanitization requirements of the regulatory entity as documented by the regulatory entity.
Summary D9C: The total Δ9-THC content in this sample is 0.20%. For the most accurate Δ9-THC concentration, refer to the GC MS/MS section of this COA. This sample was tested using HPLC and GC MS/MS. HPLC analysis can yield inconsistent results for Δ8-THC and Δ9-THC due to isomer interference. GC MS/MS was employed to avoid this issue.

D9C - D9 Confirmation

Analyzed Nov 11, 2025 | Instrument GC MS/MS | Method SOP-041 D9C
The expanded Uncertainty of the D9 Confirmation analysis is approximately ±7.806% at the 95% Confidence Level

Table with 7 columns: Analyte, LOD ppb, LOQ ppb, Result %, Result mg/g, Result mg/Serving, Result mg/Unit. Rows include Δ9-Tetrahydrocannabinol (Δ9-THC) and Total Cannabinoids Analyzed.

CANx - Cannabinoids

Analyzed Oct 29, 2025 | Instrument HPLC-VWD | Method SOP-001
The expanded Uncertainty of the Cannabinoids analysis is approximately ±7.81% at the 95% Confidence Level

Large table with 7 columns: Analyte, LOD mg/g, LOQ mg/g, Result %, Result mg/g, Result mg/Serving, Result mg/Unit. Lists various cannabinoids like 11-Hydroxy-Δ8-Tetrahydrocannabinol, Cannabidiol, etc.

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



DEA license: RP0611043
ISO/IEC 17025:2017 Acc. 85368



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Authorized Signature

Handwritten signature: Brandon Starr

Brandon Starr, Quality Assurance Manager
Thu, 13 Nov 2025 10:03:55 -0800

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HME - Heavy Metals

Analyzed Nov 03, 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 | <LOQ | 0.2 |
| Cadmium (Cd) | 0.0005 | 0.0015 | ND | 0.2 |
| Mercury (Hg) | 0.0058 | 0.0174 | ND | 0.2 |
| Lead (Pb) | 0.0006 | 0.0018 | ND | 0.2 |

MIBIG - Microbial

Analyzed Oct 29, 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 Nov 06, 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
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PES - Pesticides

Analyzed Nov 06, 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 | Thiachlorprid | 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 | 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 |
| Chlorantranilprole | 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 |
| Etoazole | 0.01 | 0.05 | ND | 0.05 | Fenproximate | 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 | 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 Nov 03, 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 | ND | N/A | Butane (But) | 0.02 | 0.4 | ND | 800 |
| Methanol (Metha) | 1.176 | 3.92 | <LOQ | 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 | 46.0 | N/A | Acetone (Acet) | 0.044 | 0.4 | 66.3 | N/A |
| Isopropanol (2-Pro) | 1.16 | 3.868 | <LOQ | N/A | Acetonitrile (Acetonit) | 0.888 | 2.952 | ND | N/A |
| Methylene Chloride (MetCh) | 0.04 | 0.4 | ND | N/A | Hexane (Hex) | 0.012 | 0.4 | ND | 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 | <LOQ | 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 Oct 28, 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 |

MICx - Microbial X

Analyzed Nov 03, 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 | 270 | 10000 |
| Listeria (LIS) | 1.0 | 1.0 | ND | N/A |
| Gram Negative Bacteria (BTGN) | 1.0 | 1.0 | ND | 1000 |
| Total Viable Aerobic Bacteria (TVAB) | 1.0 | 1.0 | 1000 | 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



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