

PharmLabs San Diego Certificate of Analysis



Sample Cutleaf Duos Pop & Dab - Fruit Punch (Dab)

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

Sample ID SD250208-019 (106822) Matrix Concentrate Batch ID N06283- 25036A
 Tested for Bluestone USA, Inc.
 Sampled - Received Feb 07, 2025 Reported Mar 13, 2026
 Analyses executed CANX, RES, MIBIG, MICX, MTO, PES, HME, FVI

Laboratory note: COA Update: 3/13/26 - "Test for" updated per client request.

CANx - Cannabinoids

Analyzed Mar 04, 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 | Sample photography |
|---|----------|----------|----------|-------------|--------------------|
| 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THCV) | 0.013 | 0.041 | ND | ND | |
| Cannabidiol (CBDO) | 0.006 | 0.02 | ND | ND | |
| Abnormal Cannabidiol (a-CBDO) | 0.013 | 0.038 | ND | ND | |
| (+/-)-9B-Hydroxy-Hexahydrocannabinol (9b-HHC) | 0.015 | 0.045 | ND | ND | |
| 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC) | 0.033 | 0.16 | 0.96 | 9.57 | |
| Cannabigerol Acid (CBGA) | 0.033 | 0.16 | ND | ND | |
| Cannabigerol (CBG) | 0.048 | 0.16 | 1.34 | 13.45 | |
| Cannabidiol (CBD) | 0.069 | 0.229 | 58.84 | 588.36 | |
| 1(S)-Tetrahydrocannabinol (1(S)-H4-CBD) | 0.008 | 0.026 | ND | ND | |
| 1(R)-Tetrahydrocannabinol (1(R)-H4-CBD) | 0.016 | 0.049 | ND | ND | |
| Tetrahydrocannabinol (THCV) | 0.049 | 0.162 | ND | ND | |
| Δ8-tetrahydrocannabinol (Δ8-THCV) | 0.021 | 0.064 | ND | ND | |
| Cannabidihexol (CBDH) | 0.014 | 0.042 | ND | ND | |
| Tetrahydrocannabinol (Δ9-THCB) | 0.01 | 0.029 | 0.42 | 4.18 | |
| Cannabinol (CBN) | 0.047 | 0.16 | 0.24 | 2.43 | |
| 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 | ND | ND | |
| Δ8-tetrahydrocannabinol (Δ8-THC) | 0.044 | 0.16 | ND | ND | |
| (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 | ND | ND | |
| Δ9-Tetrahydrocannabinol (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-Tetrahydrocannabinol (Δ9-THCP) | 0.017 | 0.8 | 11.44 | 114.44 | |
| Δ8-Tetrahydrocannabinol (Δ8-THCP) | 0.041 | 0.8 | ND | ND | |
| 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) | | | ND | ND | |
| Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) | | | ND | ND | |
| Total CBD (CBDO * 0.877 + CBD) | | | 59.68 | 596.75 | |
| Total CBG (CBGa * 0.877 + CBG) | | | 1.34 | 13.45 | |
| Total HHC (9r-HHC + 9s-HHC) | | | ND | ND | |
| Total Cannabinoids Analyzed | | | 73.13 | 731.25 | |

HME - Heavy Metals

Analyzed Mar 10, 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 | 0.00 | 1.5 |
| Cadmium (Cd) | 0.0005 | 0.0015 | ND | 0.5 |
| Mercury (Hg) | 0.0058 | 0.0174 | ND | 3 |
| Lead (Pb) | 0.0006 | 0.0018 | 0.00 | 0.5 |

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

Brandon Starr

Brandon Starr, Quality Assurance Manager
 Fri, 13 Mar 2026 16:57:28 -0700

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MIBIG - Microbial

Analyzed Mar 06, 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 | 1 |
| Aspergillus fumigatus | 1.0 | 1.0 | ND | 1 |
| Aspergillus flavus | 1.0 | 1.0 | ND | 1 |
| Aspergillus niger | 1.0 | 1.0 | ND | 1 |
| Aspergillus terreus | 1.0 | 1.0 | ND | 1 |

MTO - Mycotoxin

Analyzed Mar 04, 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 | - |
| Aflatoxin B2 | 2.5 | 5.0 | ND | - | Aflatoxin G1 | 2.5 | 5.0 | ND | - |
| Aflatoxin G2 | 2.5 | 5.0 | ND | - | 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 Mar 04, 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 | | Carbofuran | 0.01 | 0.02 | ND | |
| Dimethoate | 0.01 | 0.02 | ND | | Etofenprox | 0.02 | 0.1 | ND | |
| Fenoxycarb | 0.01 | 0.02 | ND | | Thiachloprid | 0.01 | 0.02 | ND | |
| Daminozide | 0.01 | 0.03 | ND | | Dichlorvos | 0.02 | 0.07 | ND | |
| Imazalil | 0.02 | 0.07 | ND | | Methiocarb | 0.01 | 0.02 | ND | |
| Spiroxamine | 0.01 | 0.02 | ND | | Coumaphos | 0.01 | 0.02 | ND | |
| Fipronil | 0.01 | 0.1 | ND | | Paclobutrazol | 0.01 | 0.03 | ND | |
| Chlorpyrifos | 0.01 | 0.04 | ND | | Ethoprophos (Prophos) | 0.01 | 0.02 | ND | |
| Baygon (Propoxur) | 0.01 | 0.02 | ND | | Chlordane | 0.04 | 0.1 | ND | |
| Chlorfenapyr | 0.03 | 0.1 | ND | | Methyl Parathion | 0.02 | 0.1 | ND | |
| Mevinphos | 0.03 | 0.08 | ND | | Abamectin | 0.03 | 0.08 | ND | |
| Acephate | 0.02 | 0.05 | ND | | Acetamiprid | 0.01 | 0.05 | ND | |
| Azoxystrobin | 0.01 | 0.02 | ND | | Bifenazate | 0.01 | 0.05 | ND | |
| Bifenthrin | 0.02 | 0.35 | ND | | Boscalid | 0.01 | 0.03 | ND | |
| Carbaryl | 0.01 | 0.02 | ND | | Chlorantranilprole | 0.01 | 0.04 | ND | |
| Clofentezine | 0.01 | 0.03 | ND | | Diazinon | 0.01 | 0.02 | ND | |
| Dimethomorph | 0.02 | 0.06 | ND | | Etoxazole | 0.01 | 0.05 | ND | |
| Fenpyroximate | 0.02 | 0.1 | ND | | Fonicamid | 0.01 | 0.02 | ND | |
| Fludioxonil | 0.01 | 0.05 | ND | | Hexythiazox | 0.01 | 0.03 | ND | |
| Imidacloprid | 0.01 | 0.05 | ND | | Kresoxim-methyl | 0.01 | 0.03 | ND | |
| Malathion | 0.01 | 0.05 | ND | | Metalaxyl | 0.01 | 0.02 | ND | |
| Methomyl | 0.02 | 0.05 | ND | | Myclobutanil | 0.02 | 0.07 | ND | |
| Naled | 0.01 | 0.02 | ND | | Oxamyl | 0.01 | 0.02 | ND | |
| Permethrin | 0.01 | 0.02 | ND | | Phosmet | 0.01 | 0.02 | ND | |
| Piperonyl Butoxide | 0.02 | 0.06 | ND | | Propiconazole | 0.03 | 0.08 | ND | |
| Prallethrin | 0.02 | 0.05 | ND | | Pyrethrin | 0.05 | 0.41 | ND | |
| Pyridaben | 0.02 | 0.07 | ND | | Spinosad A | 0.01 | 0.05 | ND | |
| Spinosad D | 0.01 | 0.05 | ND | | Spiromesifen | 0.02 | 0.06 | ND | |
| Spirotetramat | 0.01 | 0.02 | ND | | Tebuconazole | 0.01 | 0.02 | ND | |
| Thiamethoxam | 0.01 | 0.02 | ND | | Trifloxystrobin | 0.01 | 0.02 | ND | |
| Acequinocyl | 0.02 | 0.09 | ND | | Captan | 0.01 | 0.02 | ND | |
| Cypermethrin | 0.02 | 0.1 | ND | | Cyfluthrin | 0.04 | 0.1 | ND | |
| Fenhexamid | 0.02 | 0.07 | ND | | Spinetoram J,L | 0.02 | 0.07 | ND | |
| Pentachloronitrobenzene | 0.01 | 0.1 | ND | | | | | | |

RES - Residual Solvents

Analyzed Mar 11, 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 | 91.9 | 5000 | Butane (But) | 0.02 | 0.4 | 87.7 | 5000 |
| Methanol (Metha) | 1.176 | 3.92 | 75.8 | 3000 | Ethylene Oxide (EthOx) | 0.08 | 0.4 | 214.1 | 1 |
| Pentane (Pen) | 0.024 | 0.4 | ND | 5000 | Ethanol (Ethanol) | 0.048 | 0.4 | 132.0 | 5000 |
| Ethyl Ether (EthEt) | 0.036 | 0.4 | ND | 5000 | Acetone (Acet) | 0.044 | 0.4 | 370.8 | 5000 |
| Isopropanol (2-Pro) | 1.16 | 3.868 | 240.7 | 5000 | Acetonitrile (Acetonit) | 0.888 | 2.952 | <LOQ | 410 |
| Methylene Chloride (MetCh) | 0.04 | 0.4 | ND | 1 | Hexane (Hex) | 0.012 | 0.4 | 86.4 | 290 |
| Ethyl Acetate (EthAc) | 0.032 | 0.4 | ND | 5000 | Chloroform (Clo) | 0.028 | 0.4 | ND | 1 |
| Benzene (Ben) | 0.012 | 0.4 | ND | 1 | 1,2-Dichloroethane (1,2-Dich) | 0.024 | 0.4 | ND | 1 |
| Heptane (Hep) | 0.012 | 0.4 | ND | 5000 | Trichloroethylene (TriClEth) | 0.072 | 0.4 | ND | 1 |
| Toluene | 0.036 | 0.4 | 79.7 | 890 | Xylenes (Xyl) | 0.012 | 0.4 | ND | 2170 |

FVI - Filth & Foreign Material Inspection

Analyzed Mar 04, 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 Mar 06, 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 | ND | |
| Listeria (LIS) | 1.0 | 1.0 | ND | |
| Gram Negative Bacteria (BTGN) | 1.0 | 1.0 | ND | |
| Total Viable Aerobic Bacteria (TVAB) | 1.0 | 1.0 | ND | |

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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