

PharmLabs San Diego Certificate of Analysis



Sample Cutleaf Duos Pop & Dab - Strawapple (Gummies)

Delta9 THC 0.26% | THCa ND | Total THC (THCa \* 0.877 + THC) 0.26% | Delta8 THC ND

|                                 |                       |                                |
|---------------------------------|-----------------------|--------------------------------|
| Sample ID SD250208-021 (106762) | Matrix Edible         | Batch ID/Lot ID N06281- 25032A |
| Tested for REEL World Brands    |                       |                                |
| Sampled -                       | Received Feb 07, 2025 | Reported Mar 11, 2025          |
| Analyses executed MICX, FP-IO20 | Unit Mass (g) 141.796 | Num. of Servings 27            |
|                                 |                       | Serving Size (g) 5.25          |

CANx - Cannabinoids

Analyzed Mar 03, 2025 | Instrument HPLC-VWD | Method SOP-001  
 The expanded Uncertainty of the Cannabinoids analysis is approximately ±7.806% at the 95% Confidence Level

| Analyte   | LOD mg/g | LOQ mg/g | Result %    | Result mg/g | Result mg/Serving | Result mg/Unit | Sample photography |
|---|----------|----------|-------------|-------------|-------------------|----------------|--------------------|
| 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THCV)                       | 0.013    | 0.041    | ND          | ND          | ND                | ND             |                    |
| Cannabidiol (CBD)   | 0.006    | 0.02     | ND          | ND          | ND                | ND             |                    |
| Abnormal Cannabidiol (a-CBD)  | 0.013    | 0.038    | ND          | ND          | ND                | ND             |                    |
| (+/-)-9B-Hydroxy-Hexahydrocannabinol (9b-HHC)                             | 0.015    | 0.045    | ND          | ND          | ND                | ND             |                    |
| 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)                        | 0.015    | 0.045    | ND          | ND          | ND                | ND             |                    |
| Cannabidiolic Acid (CBDA)   | 0.033    | 0.16     | ND          | ND          | ND                | ND             |                    |
| Cannabigerol Acid (CBGA)  | 0.033    | 0.16     | ND          | ND          | ND                | ND             |                    |
| Cannabigerol (CBG)  | 0.048    | 0.16     | ND          | ND          | ND                | ND             |                    |
| Cannabidiol (CBD)   | 0.069    | 0.229    | 0.26        | 2.65        | 13.91             | 375.76         |                    |
| 1(S)-Tetrahydrocannabinol (1(S)-H4-CBD)                                   | 0.008    | 0.026    | ND          | ND          | ND                | ND             |                    |
| 1(R)-Tetrahydrocannabinol (1(R)-H4-CBD)                                   | 0.016    | 0.049    | ND          | ND          | ND                | ND             |                    |
| Tetrahydrocannabinol (THCV)   | 0.049    | 0.162    | ND          | ND          | ND                | ND             |                    |
| Δ8-tetrahydrocannabinol (Δ8-THCV)   | 0.012    | 0.036    | ND          | ND          | ND                | ND             |                    |
| Cannabidihexol (CBDH)   | 0.014    | 0.042    | ND          | ND          | ND                | ND             |                    |
| Tetrahydrocannabinol (Δ9-THCB)  | 0.01     | 0.029    | ND          | ND          | ND                | ND             |                    |
| Cannabinol (CBN)  | 0.047    | 0.16     | ND          | ND          | ND                | ND             |                    |
| Cannabidiophorol (CBDP)   | 0.016    | 0.049    | ND          | ND          | ND                | ND             |                    |
| exo-THC (exo-THC)   | 0.005    | 0.16     | ND          | ND          | ND                | ND             |                    |
| Tetrahydrocannabinol (Δ9-THC)   | 0.092    | 0.307    | 0.26        | 2.55        | 13.39             | 361.58         |                    |
| Δ8-tetrahydrocannabinol (Δ8-THC)  | 0.044    | 0.16     | ND          | ND          | ND                | ND             |                    |
| (6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)                          | 0.015    | 0.8      | ND          | ND          | ND                | ND             |                    |
| Hexahydrocannabinol (S Isomer) (9s-HHC)                                   | 0.017    | 0.8      | ND          | ND          | ND                | ND             |                    |
| (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)                          | 0.007    | 0.8      | ND          | ND          | ND                | ND             |                    |
| Hexahydrocannabinol (R Isomer) (9r-HHC)                                   | 0.016    | 0.8      | ND          | ND          | ND                | ND             |                    |
| Tetrahydrocannabinolic Acid (THCA)  | 0.117    | 0.389    | ND          | ND          | ND                | ND             |                    |
| Δ9-Tetrahydrocannabinol (Δ9-THCH)   | 0.02     | 0.061    | ND          | ND          | ND                | ND             |                    |
| Cannabinol Acetate (CBNO)   | 0.009    | 0.027    | ND          | ND          | ND                | ND             |                    |
| 9(S)-Hexahydrocannabinolic Acid (9(S)-HHCA)                               | 0.063    | 0.065    | ND          | ND          | ND                | ND             |                    |
| 9(R)-Hexahydrocannabinolic Acid (9(R)-HHCA)                               | 0.191    | 0.196    | ND          | ND          | ND                | ND             |                    |
| Δ9-Tetrahydrocannabinol (Δ9-THCP)   | 0.017    | 0.8      | ND          | ND          | ND                | ND             |                    |
| Δ8-Tetrahydrocannabinol (Δ8-THCP)   | 0.041    | 0.8      | ND          | ND          | ND                | ND             |                    |
| Cannabicitran (CBT)   | 0.005    | 0.16     | ND          | ND          | ND                | ND             |                    |
| Δ8-THC-O-acetate (Δ8-THCO)  | 0.076    | 0.8      | ND          | ND          | ND                | ND             |                    |
| 9(S)-HHCP (s-HHCP)  | 0.013    | 0.041    | ND          | ND          | ND                | ND             |                    |
| Δ9-THC-O-acetate (Δ9-THCO)  | 0.066    | 0.8      | ND          | ND          | ND                | ND             |                    |
| 9(R)-HHCP (r-HHCP)  | 0.015    | 0.045    | ND          | ND          | ND                | ND             |                    |
| 9(S)-HHC-O-acetate (s-HHCO)   | 0.037    | 0.112    | ND          | ND          | ND                | ND             |                    |
| 9(R)-HHC-O-acetate (r-HHCO)   | 0.031    | 0.093    | ND          | ND          | ND                | ND             |                    |
| 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)                               | 0.021    | 0.062    | ND          | ND          | ND                | ND             |                    |
| <b>Total THC (THCa * 0.877 + Δ9THC)</b>                                   |          |          | <b>0.26</b> | <b>2.55</b> | <b>13.39</b>      | <b>361.58</b>  |                    |
| <b>Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)</b> |          |          | <b>0.26</b> | <b>2.55</b> | <b>13.39</b>      | <b>361.58</b>  |                    |
| <b>Total CBD (CBDA * 0.877 + CBD)</b>                                     |          |          | <b>0.26</b> | <b>2.65</b> | <b>13.91</b>      | <b>375.76</b>  |                    |
| <b>Total CBG (CBGA * 0.877 + CBG)</b>                                     |          |          | <b>ND</b>   | <b>ND</b>   | <b>ND</b>         | <b>ND</b>      |                    |
| <b>Total HHC (9r-HHC + 9s-HHC)</b>  |          |          | <b>ND</b>   | <b>ND</b>   | <b>ND</b>         | <b>ND</b>      |                    |
| <b>Total Cannabinoids Analyzed</b>  |          |          | <b>0.52</b> | <b>5.20</b> | <b>27.30</b>      | <b>737.34</b>  |                    |

HME - Heavy Metals

Analyzed Mar 07, 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   | ND          | 0.5        |

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



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Authorized Signature

*Brandon Starr*

Brandon Starr, Quality Assurance Manager  
 Tue, 11 Mar 2025 13:00:57 -0700

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Acc. 85368



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MIBIG - Microbial

Analyzed Mar 03, 2025 | Instrument qPCR and/or 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  
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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          |            | Chlorantraniliprole   | 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      | ND          | 5000       | Butane (But)                  | 0.02     | 0.4      | ND          | 5000       |
| Methanol (Metha)           | 1.176    | 3.92     | 81.4        | 3000       | Ethylene Oxide (EthOx)        | 0.08     | 0.4      | ND          | 1          |
| Pentane (Pen)              | 0.024    | 0.4      | ND          | 5000       | Ethanol (Ethan)               | 0.048    | 0.4      | 456.9       | 5000       |
| Ethyl Ether (EthEt)        | 0.036    | 0.4      | ND          | 5000       | Acetone (Acet)                | 0.044    | 0.4      | <LOQ        | 5000       |
| Isopropanol (2-Pro)        | 1.16     | 3.868    | <LOQ        | 5000       | Acetonitrile (Acetonit)       | 0.888    | 2.952    | <LOQ        | 410        |
| Methylene Chloride (MetCh) | 0.04     | 0.4      | ND          | 1          | Hexane (Hex)                  | 0.012    | 0.4      | ND          | 290        |
| Ethyl Acetate (EthAc)      | 0.032    | 0.4      | <LOQ        | 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      | ND          | 890        | Xylenes (Xyl)                 | 0.012    | 0.4      | ND          | 2170       |

FVI - Filth & Foreign Material Inspection

Analyzed Mar 03, 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 Mar 06, 2025 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

| Analyte        | LOD % | LOQ % | Result   | Limit   | Analyte             | LOD % | LOQ % | Result              | Limit               |
|----------------|-------|-------|----------|---------|---------------------|-------|-------|---------------------|---------------------|
| Moisture (Moi) | 0.0   | 0.0   | 9.8 % Mw | 13 % Mw | Water Activity (WA) | 0.03  | 0.03  | 0.65 a <sub>w</sub> | 0.85 a <sub>w</sub> |

MICx - Microbial X

Analyzed Mar 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       | 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       | 3            |             |

UJ 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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