

PharmLabs San Diego Certificate of Analysis

Sample **Sumo 25ct COTTON CANDY F4J1PC3**

|            |       |      |    |                                |       |            |       |
|------------|-------|------|----|--------------------------------|-------|------------|-------|
| Delta9 THC | 0.18% | THCa | ND | Total THC (THCa * 0.877 + THC) | 0.18% | Delta8 THC | 3.92% |
|------------|-------|------|----|--------------------------------|-------|------------|-------|



|                   |                          |                  |              |                  |              |
|-------------------|--------------------------|------------------|--------------|------------------|--------------|
| Sample ID         | SD251028-014 (125543)    | Matrix           | Edible       | Batch ID         | F4J1PC3      |
| Tested for        | Fresh Farms E-Liquid LLC | Received         | Oct 28, 2025 | Reported         | Nov 11, 2025 |
| Sampled           | -                        | Unit Mass (g)    | 121.5        | Num. of Servings | 25           |
| Analyses executed | D9C, GA-FPC              | Serving Size (g) | 4.86         |                  |              |

Summary D9C: The total Δ9-THC content in this sample is 0.18%. 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. Please note, if THCa is present, the Δ9-THC level measured by GC MS/MS might be higher due to decarboxylation.

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

| Analyte                          | LOD ppb | LOQ ppb | Result % | Result mg/g | Result mg/Serving | Result mg/Unit |
|----------------------------------|---------|---------|----------|-------------|-------------------|----------------|
| Δ9-Tetrahydrocannabinol (Δ9-THC) | 1.462   | 4.432   | 0.18     | 1.78        | 8.65              | 216.27         |
| Total Cannabinoids Analyzed      | -       | -       | 0.18     | 1.78        | 8.65              | 216.27         |

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

| 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 (CBDO)                                                 | 0.006    | 0.02     | ND       | ND          | ND                | ND             |                    |
| Abnormal Cannabidiol (a-CBDO)                                      | 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     | 0.02     | 0.18        | 0.87              | 21.87          |                    |
| Cannabidiol (CBD)                                                  | 0.069    | 0.229    | 5.03     | 50.34       | 244.65            | 6116.31        |                    |
| 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             |                    |
| Cannabidiol (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     | 0.07     | 0.74        | 3.60              | 89.91          |                    |
| Cannabidiophorol (CBDP)                                            | 0.016    | 0.049    | ND       | ND          | ND                | ND             |                    |
| exo-THC (exo-THC)                                                  | 0.016    | 0.8      | ND       | ND          | ND                | ND             |                    |
| Tetrahydrocannabinol (Δ9-THC)                                      | 0.092    | 0.307    | D9C      | D9C         | D9C               | D9C            |                    |
| Δ8-tetrahydrocannabinol (Δ8-THC)                                   | 0.044    | 0.16     | 3.92     | 39.20       | 190.51            | 4762.80        |                    |
| (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      | 0.10     | 1.05        | 5.10              | 127.58         |                    |
| Δ8-Tetrahydrocannabinol (Δ8-THCP)                                  | 0.041    | 0.8      | <LOQ     | <LOQ        | <LOQ              | <LOQ           |                    |
| Cannabicitran (CBT)                                                | 0.005    | 0.16     | <LOQ     | <LOQ        | <LOQ              | <LOQ           |                    |
| 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             |                    |
| Total THC (THCa * 0.877 + Δ9THC)                                   |          |          | D9C      | D9C         | D9C               | D9C            |                    |
| Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) |          |          | 3.92     | 39.20       | 190.51            | 4762.80        |                    |
| Total CBD (CBDa * 0.877 + CBD)                                     |          |          | 5.03     | 50.34       | 244.65            | 6116.31        |                    |
| Total CBG (CBGa * 0.877 + CBG)                                     |          |          | 0.02     | 0.18        | 0.87              | 21.87          |                    |
| Total HHC (9r-HHC + 9s-HHC)                                        |          |          | ND       | ND          | ND                | ND             |                    |
| Total Cannabinoids Analyzed                                        |          |          | 9.15     | 91.51       | 444.74            | 11118.46       |                    |

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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ISO/IEC 17025:2017 Acc. 85368



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Authorized Signature

*Brandon Starr*

Brandon Starr, Quality Assurance Manager  
Tue, 11 Nov 2025 15:59:36 -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   | ND          | 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  
TNTC Too Numerous to Count



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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       | 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       | 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       | Dimethamorph          | 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 Oct 31, 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 (Metho)           | 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      | 43.3        | N/A        | Acetone (Acet)                | 0.044    | 0.4      | 57.0        | 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 (1,2-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 Oct 29, 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           | 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       | ND           | 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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Authorized Signature

*Brandon Starr*

Brandon Starr, Quality Assurance Manager  
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