

PharmLabs San Diego Certificate of Analysis



Sample Marie's Macaron and Turkish Delight

|               |         |                                   |                   |
|---------------|---------|-----------------------------------|-------------------|
| Delta9 THC ND | THCa ND | Total THC (THCa * 0.877 + THC) ND | Delta8 THC 82.58% |
|---------------|---------|-----------------------------------|-------------------|

|   |                       |
|---|-----------------------|
| Sample ID SD241017-039 (101076)                             | Matrix Concentrate    |
| Tested for deVINE   |                       |
| Sampled - Received Oct 17, 2024                             | Reported Oct 24, 2024 |
| Analyses executed CANX, RES, MIBIG, MTO, PES, HME, FVI, D9C |                       |

Laboratory note: COA Update: 10/14/24 "Tested For" updated as per client request  
 Summary D9C: The total Δ9-THC content in this sample is 0.00%. 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 Analysis

Analyzed Oct 22, 2024 | Instrument GC MS/MS | Method SOP-041 D9C  
 The expanded Uncertainty of the analysis is approximately ±7.806% at the 95% Confidence Level

| Analyte  | LOD ppb | LOQ ppb | Result % | Result mg/g |
|--|---------|---------|----------|-------------|
| Δ4(8)-iso-Tetrahydrocannabinol (Δ4(8)-iso-THC) | 1.198   | 3.632   | 1.00     | 9.96        |
| Δ9-Tetrahydrocannabinol (Δ9-THC)               | 1.462   | 4.432   | 0.00     | 0.00        |
| Total Δ9-THC                                   |         |         | ND       |             |
| Total Cannabinoids Analyzed                    | -       | -       | 1.00     | 9.96        |

CANx - Cannabinoids Analysis

Analyzed Oct 18, 2024 | Instrument HPLC-VWD | Method SOP-001  
 The expanded Uncertainty of the Cannabinoid analysis is approximately ±7.806% at the 95% Confidence Level

| Analyte  | LOD mg/g | LOQ mg/g | Result % | Result mg/g |
|--|----------|----------|----------|-------------|
| 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)                 | 0.015    | 0.045    | ND       | ND          |
| Cannabidiolic Acid (CBDA)  | 0.033    | 0.16     | 0.11     | 1.09        |
| Cannabigerol Acid (CBGA)   | 0.033    | 0.16     | ND       | ND          |
| Cannabigerol (CBG)   | 0.048    | 0.16     | 0.37     | 3.71        |
| Cannabidiol (CBD)  | 0.069    | 0.229    | ND       | ND          |
| 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    | 2.23     | 22.34       |
| Δ8-tetrahydrocannabinol (Δ8-THCV)                                  | 0.012    | 0.036    | 0.70     | 6.99        |
| Cannabidiol (CBDH)   | 0.014    | 0.042    | ND       | ND          |
| Tetrahydrocannabinol (Δ9-THCB)                                     | 0.01     | 0.029    | ND       | ND          |
| Cannabinol (CBN)   | 0.047    | 0.16     | 0.56     | 5.65        |
| Cannabiphorol (CBDP)   | 0.016    | 0.049    | ND       | ND          |
| exo-THC (exo-THC)  | 0.005    | 0.16     | ND       | ND          |
| Tetrahydrocannabinol (Δ9-THC)                                      | 0.092    | 0.307    | 0.88     | 8.78        |
| Δ8-tetrahydrocannabinol (Δ8-THC)                                   | 0.044    | 0.16     | 82.58    | 825.77      |
| (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          |
| Δ9-Tetrahydrocannabinol (Δ9-THCP)                                  | 0.017    | 0.8      | 4.95     | 49.50       |
| Δ8-Tetrahydrocannabinol (Δ8-THCP)                                  | 0.041    | 0.8      | ND       | ND          |
| Cannabicitran (CBT)  | 0.005    | 0.16     | 0.36     | 3.65        |
| 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)                                   |          |          | 0.88     | 8.78        |
| Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) |          |          | 83.46    | 834.55      |
| Total CBD (CBDa * 0.877 + CBD)                                     |          |          | 0.10     | 0.96        |
| Total CBG (CBGa * 0.877 + CBG)                                     |          |          | 0.37     | 3.71        |
| Total HHC (9r-HHC + 9s-HHC)  |          |          | ND       | ND          |
| Total Cannabinoids Analyzed  |          |          | 92.73    | 927.35      |

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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 ISO/IEC 17025:2017 Acc. L17-427-1



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Authorized Signature

*Brandon Starr*

Brandon Starr, Quality Assurance Manager  
 Thu, 24 Oct 2024 15:28:35 -0700

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HME - Heavy Metals Analysis

Analyzed Oct 18, 2024 | 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          | 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   | 0.04        | 0.5        |

MIBIG - Microbial Analysis

Analyzed Oct 21, 2024 | Instrument qPCR and/or Plating | Method SOP-007

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

MTO - Mycotoxin Analysis

Analyzed Oct 22, 2024 | Instrument LC/MSMS | Method SOP-004

| Analyte      | LOD ug/kg | LOQ ug/kg | Result ug/kg (ppb) | Limit ug/kg | Analyte          | LOD ug/kg | LOQ ug/kg | Result ug/kg (ppb) | 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 Analysis

Analyzed Oct 22, 2024 | 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          | Carbafuran         | 0.01     | 0.02     | ND          | 0          |
| Dimethoate            | 0.01     | 0.02     | ND          | 0          | Etifenprox         | 0.02     | 0.1      | ND          | 0          |
| Fenoxycarb            | 0.01     | 0.02     | ND          | 0          | Thiachloprid       | 0.01     | 0.02     | ND          | 0          |
| Daminozide            | 0.01     | 0.03     | ND          | 0          | Dichlorvos         | 0.02     | 0.07     | ND          | 0          |
| Imazalil              | 0.02     | 0.07     | ND          | 0          | Methiocarb         | 0.01     | 0.02     | ND          | 0          |
| Spiroxamine           | 0.01     | 0.02     | ND          | 0          | Coumaphos          | 0.01     | 0.02     | ND          | 0          |
| Paclobotrazol         | 0.01     | 0.03     | ND          | 0          | Chlorpyrifos       | 0.01     | 0.04     | ND          | 0          |
| Ethoprophos (Prophos) | 0.01     | 0.02     | ND          | 0          | Baygon (Propoxur)  | 0.01     | 0.02     | ND          | 0          |
| Mevinphos             | 0.03     | 0.08     | ND          | 0          | Abamectin          | 0.03     | 0.08     | ND          | 0.1        |
| Acephate              | 0.02     | 0.05     | ND          | 0.1        | Acetamidprid       | 0.01     | 0.05     | ND          | 0.1        |
| Azoxystrobin          | 0.01     | 0.02     | ND          | 0.1        | Bifenazate         | 0.01     | 0.05     | ND          | 0.1        |
| Bifenthrin            | 0.02     | 0.35     | ND          | 3          | Boscalid           | 0.01     | 0.03     | ND          | 0.1        |
| Carbaryl              | 0.01     | 0.02     | ND          | 0.5        | Chlorantranilprole | 0.01     | 0.04     | ND          | 10         |
| Clofentazine          | 0.01     | 0.03     | ND          | 0.1        | Diazinon           | 0.01     | 0.02     | ND          | 0.1        |
| Dimethomorph          | 0.02     | 0.06     | ND          | 2          | Etoxazole          | 0.01     | 0.05     | ND          | 0.1        |
| Fenproximate          | 0.02     | 0.1      | ND          | 0.1        | Flonicamid         | 0.01     | 0.02     | ND          | 0.1        |
| Fludioxonil           | 0.01     | 0.05     | ND          | 0.1        | Hexythiazox        | 0.01     | 0.03     | ND          | 0.1        |
| Imidacloprid          | 0.01     | 0.05     | ND          | 5          | Kresoxim-methyl    | 0.01     | 0.03     | ND          | 0.1        |
| Malathion             | 0.01     | 0.05     | ND          | 0.5        | Metalaxyl          | 0.01     | 0.02     | ND          | 2          |
| Methomyl              | 0.02     | 0.05     | ND          | 1          | Myclobutanil       | 0.02     | 0.07     | ND          | 0.1        |
| Naled                 | 0.01     | 0.02     | ND          | 0.1        | Oxamyl             | 0.01     | 0.02     | ND          | 0.5        |
| Permethrin            | 0.01     | 0.02     | ND          | 0.5        | Phosmet            | 0.01     | 0.02     | ND          | 0.1        |
| Piperonyl Butoxide    | 0.02     | 0.06     | ND          | 3          | Propiconazole      | 0.03     | 0.08     | ND          | 0.1        |
| Prallethrin           | 0.02     | 0.05     | ND          | 0.1        | Pyrethrin          | 0.05     | 0.41     | ND          | 0.5        |
| Pyridaben             | 0.02     | 0.07     | ND          | 0.1        | Spinosad A         | 0.01     | 0.05     | ND          | 0.1        |
| Spinosad D            | 0.01     | 0.05     | ND          | 0.1        | Spiromesifen       | 0.02     | 0.06     | ND          | 0.1        |
| Spiratetramat         | 0.01     | 0.02     | ND          | 0.1        | Tebuconazole       | 0.01     | 0.02     | ND          | 0.1        |
| Thiamethoxam          | 0.01     | 0.02     | ND          | 5          | Trifloxystrobin    | 0.01     | 0.02     | ND          | 0.1        |
| Acequinocyl           | 0.02     | 0.09     | ND          | 0.1        | Captan             | 0.01     | 0.02     | ND          | 0.7        |
| Fenhexamid            | 0.02     | 0.07     | ND          | 0.1        | Spinetoram J.L     | 0.02     | 0.07     | ND          | 0.1        |

RES - Residual Solvents Analysis

Analyzed Oct 18, 2024 | 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)             | 1.16     | 3.868    | ND          | 5000       | Butane (But)                 | 1.16     | 3.868    | 61.6        | 5000       |
| Methanol (Metha)           | 1.16     | 3.868    | <LOQ        | 3000       | Ethylene Oxide (EthOx)       | 1.16     | 3.868    | ND          | 1          |
| Pentane (Pen)              | 1.16     | 3.868    | ND          | 5000       | Ethanol (Ethanol)            | 1.16     | 3.868    | <LOQ        | 5000       |
| Ethyl Ether (EthEt)        | 1.16     | 3.868    | ND          | 5000       | Acetone (Acet)               | 1.16     | 3.868    | <LOQ        | 5000       |
| Isopropanol (2-Pro)        | 1.16     | 3.868    | <LOQ        | 5000       | Acetonitrile (Acetonit)      | 1.16     | 3.868    | <LOQ        | 410        |
| Methylene Chloride (MetCh) | 1.16     | 3.868    | ND          | 1          | Hexane (Hex)                 | 1.16     | 3.868    | ND          | 290        |
| Ethyl Acetate (EthAc)      | 1.16     | 3.868    | <LOQ        | 5000       | Chloroform (Clo)             | 1.16     | 3.868    | ND          | 1          |
| Benzene (Ben)              | 1.16     | 3.868    | ND          | 1          | 1-2-Dichloroethane (12-Dich) | 1.16     | 3.868    | ND          | 1          |
| Heptane (Hep)              | 1.16     | 3.868    | <LOQ        | 5000       | Trichloroethylene (TriClEth) | 1.16     | 3.868    | ND          | 1          |
| Toluene (Toluene)          | 1.16     | 3.868    | ND          | 890        | Xylenes (Xyl)                | 1.16     | 3.868    | ND          | 2170       |

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Oct 17, 2024 | 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     |

UJ Unidentified  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Reported  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
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