

PharmLabs San Diego Certificate of Analysis



Sample HHC Gummies

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

|                                |                                     |
|--------------------------------|-------------------------------------|
| Sample ID SD231026-024 (86646) | Matrix Edible (Other Cannabis Good) |
| Tested for River Bluff CBD     |                                     |
| Sampled -                      | Received Oct 25, 2023               |
| Analyses executed FP-NI20      | Reported Oct 27, 2023               |
| Unit Mass (g) 41.33            | Num. of Servings 10                 |
|                                | Serving Size (g) 4.13               |

CANX - Cannabinoids Analysis

Analyzed Oct 27, 2023 | Instrument HPLC-VWD | Method SOP-001  
 The expanded Uncertainty of the Cannabinoid analysis is approximately ±.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 (CBDO)   | 0.002    | 0.007    | ND       | ND          | ND                | ND             |                    |
| Abnormal Cannabidiol (a-CBDO)  | 0.01     | 0.031    | ND       | ND          | ND                | ND             |                    |
| (+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)                        | 0.012    | 0.036    | ND       | ND          | ND                | ND             |                    |
| 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)                   | 0.007    | 0.021    | ND       | ND          | ND                | ND             |                    |
| Cannabidiolic Acid (CBDA)  | 0.001    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Cannabigerol Acid (CBGA)   | 0.001    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Cannabigerol (CBG)   | 0.001    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Cannabidiol (CBD)  | 0.001    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Δ(S)-THD (s-THD)   | 0.013    | 0.041    | ND       | ND          | ND                | ND             |                    |
| Δ(R)-THD (r-THD)   | 0.025    | 0.075    | ND       | ND          | ND                | ND             |                    |
| Tetrahydrocannabivarin (THCV)  | 0.001    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Δ8-tetrahydrocannabivarin (Δ8-THCV)                                  | 0.021    | 0.064    | ND       | ND          | ND                | ND             |                    |
| Cannabidiol (CBDH)   | 0.005    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Tetrahydrocannabutol (Δ9-THCB)                                       | 0.013    | 0.038    | ND       | ND          | ND                | ND             |                    |
| Cannabinol (CBN)   | 0.001    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Cannabidiophorol (CBDP)  | 0.015    | 0.047    | ND       | ND          | ND                | ND             |                    |
| exo-THC (exo-THC)  | 0.005    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Tetrahydrocannabinol (Δ9-THC)  | 0.003    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Δ8-tetrahydrocannabinol (Δ8-THC)                                     | 0.004    | 0.16     | ND       | ND          | ND                | ND             |                    |
| (6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)                     | 0.015    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Hexahydrocannabinol (S isomer) (9s-HHC)                              | 0.017    | 0.16     | 0.08     | 0.78        | 3.22              | 32.24          |                    |
| (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)                     | 0.007    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Hexahydrocannabinol (R isomer) (9r-HHC)                              | 0.016    | 0.16     | 0.16     | 1.64        | 6.77              | 67.78          |                    |
| Tetrahydrocannabinolic Acid (THCA)                                   | 0.001    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Δ9-Tetrahydrocannabihexol (Δ9-THCH)                                  | 0.024    | 0.071    | ND       | ND          | ND                | ND             |                    |
| Cannabinol Acetate (CBNO)  | 0.014    | 0.043    | ND       | ND          | ND                | ND             |                    |
| Δ9-Tetrahydrocannabiphorol (Δ9-THCP)                                 | 0.017    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Δ8-Tetrahydrocannabiphorol (Δ8-THCP)                                 | 0.041    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Cannabicitran (CBT)  | 0.005    | 0.16     | ND       | ND          | ND                | ND             |                    |
| Δ8-THC-O-acetate (Δ8-THCO)   | 0.076    | 0.16     | ND       | ND          | ND                | ND             |                    |
| 9(S)-HHCP (s-HHCP)   | 0.031    | 0.094    | ND       | ND          | ND                | ND             |                    |
| Δ9-THC-O-acetate (Δ9-THCO)   | 0.066    | 0.16     | ND       | ND          | ND                | ND             |                    |
| 9(R)-HHCP (r-HHCP)   | 0.026    | 0.079    | ND       | ND          | ND                | ND             |                    |
| 9(S)-HHC-O-acetate (s-HHCO)  | 0.005    | 0.16     | ND       | ND          | ND                | ND             |                    |
| 9(R)-HHC-O-acetate (r-HHCO)  | 0.008    | 0.025    | ND       | ND          | ND                | ND             |                    |
| 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)                          | 0.067    | 0.204    | ND       | ND          | ND                | ND             |                    |
| Total THC ( THCa * 0.877 + Δ9THC )                                   |          |          | ND       | ND          | ND                | ND             |                    |
| Total THC + Δ8THC + Δ10THC ( THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC ) |          |          | ND       | ND          | ND                | ND             |                    |
| Total CBD ( CBDA * 0.877 + CBD )                                     |          |          | ND       | ND          | ND                | ND             |                    |
| Total CBG ( CBGA * 0.877 + CBG )                                     |          |          | ND       | ND          | ND                | ND             |                    |
| Total HHC ( 9r-HHC + 9s-HHC )  |          |          | 0.24     | 2.42        | 9.99              | 100.02         |                    |
| Total Cannabinoids Analyzed  |          |          | 0.24     | 2.42        | 9.99              | 100.02         |                    |

HME - Heavy Metals Analysis

Analyzed Oct 26, 2023 | 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   | 0.01        | 0.5        |
| Mercury (Hg) | 0.0058   | 0.0174   | ND          | 3          |
| Lead (Pb)    | 0.0006   | 0.0018   | ND          | 0.5        |
| Nickel (Ni)  | 6.0e-05  | 0.0002   | ND          |            |

MIBNIG - Microbial Analysis

Analyzed Oct 27, 2023 | Instrument 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 |

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. L17-427-1



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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Fri, 27 Oct 2023 12:13:56 -0700

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MTO - Mycotoxin Analysis

Analyzed Oct 27, 2023 | 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 27, 2023 | 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                | 0.0078   | 0.02     | ND          | 0.0078     | Carbofuran            | 0.01     | 0.02     | ND          | 0.01       |
| Dimethoate              | 0.01     | 0.02     | ND          | 0.01       | Etofenprox            | 0.02     | 0.1      | ND          | 0.02       |
| Fenoxycarb              | 0.01     | 0.02     | ND          | 0.01       | Thiachloprid          | 0.01     | 0.02     | ND          | 0.01       |
| Daminozide              | 0.01     | 0.03     | ND          | 0.01       | Dichlorvos            | 0.02     | 0.07     | ND          | 0.02       |
| Imazalil                | 0.02     | 0.07     | ND          | 0.02       | Methiocarb            | 0.01     | 0.02     | ND          | 0.01       |
| Spiroxamine             | 0.01     | 0.02     | ND          | 0.01       | Coumaphos             | 0.01     | 0.02     | ND          | 0.01       |
| Fipronil                | 0.01     | 0.1      | ND          | 0.01       | Paclbutrazol          | 0.01     | 0.03     | ND          | 0.01       |
| Chlorpyrifos            | 0.01     | 0.04     | ND          | 0.01       | Ethoprophos (Prophos) | 0.01     | 0.02     | ND          | 0.01       |
| Baygon (Propoxur)       | 0.01     | 0.02     | ND          | 0.01       | Chlordane             | 0.04     | 0.1      | ND          | 0.04       |
| Chlorfenapyr            | 0.03     | 0.1      | ND          | 0.03       | Methyl Parathion      | 0.02     | 0.1      | ND          | 0.02       |
| Mevinphos               | 0.03     | 0.08     | ND          | 0.03       | Abamectin             | 0.03     | 0.08     | ND          | 0.3        |
| Acephate                | 0.02     | 0.05     | ND          | 5          | Acetamidrid           | 0.01     | 0.05     | ND          | 5          |
| Azoxystrobin            | 0.01     | 0.02     | ND          | 40         | Bifenazate            | 0.01     | 0.05     | ND          | 5          |
| Bifenthrin              | 0.02     | 0.35     | ND          | 0.5        | Boscalid              | 0.01     | 0.03     | ND          | 10         |
| Carbaryl                | 0.01     | 0.02     | ND          | 0.5        | Chlorantraniliprole   | 0.01     | 0.04     | ND          | 40         |
| Clofentezine            | 0.01     | 0.03     | ND          | 0.5        | Diazinon              | 0.01     | 0.02     | ND          | 0.2        |
| Dimethomorph            | 0.02     | 0.06     | ND          | 20         | Etoxazole             | 0.01     | 0.05     | ND          | 15         |
| Fenpyroximate           | 0.02     | 0.1      | ND          | 2          | Flonicamid            | 0.01     | 0.02     | ND          | 2          |
| Fludioxonil             | 0.01     | 0.05     | ND          | 30         | Hexythiazox           | 0.01     | 0.03     | ND          | 2          |
| Imidacloprid            | 0.01     | 0.05     | ND          | 3          | Kresoxim-methyl       | 0.01     | 0.03     | ND          | 1          |
| Malathion               | 0.01     | 0.05     | ND          | 5          | Metalaxyl             | 0.01     | 0.02     | ND          | 15         |
| Methomyl                | 0.02     | 0.05     | ND          | 0.1        | Myclobutanil          | 0.02     | 0.07     | ND          | 9          |
| Naled                   | 0.01     | 0.02     | ND          | 0.5        | Oxamyl                | 0.01     | 0.02     | ND          | 0.2        |
| Permethrin              | 0.01     | 0.02     | ND          | 20         | Phosmet               | 0.01     | 0.02     | ND          | 0.2        |
| Piperonyl Butoxide      | 0.02     | 0.06     | ND          | 8          | Propiconazole         | 0.03     | 0.08     | ND          | 20         |
| Prallethrin             | 0.02     | 0.05     | ND          | 0.4        | Pyrethrin             | 0.05     | 0.41     | ND          | 1          |
| Pyridaben               | 0.02     | 0.07     | ND          | 3          | Spinosad A            | 0.01     | 0.05     | ND          | 3          |
| Spinosad D              | 0.01     | 0.05     | ND          | 3          | Spiromesifen          | 0.02     | 0.06     | ND          | 12         |
| Spirotetramat           | 0.01     | 0.02     | ND          | 13         | Tebuconazole          | 0.01     | 0.02     | ND          | 2          |
| Thiamethoxam            | 0.01     | 0.02     | ND          | 4.5        | Trifloxystrobin       | 0.01     | 0.02     | ND          | 30         |
| Acequinocyl             | 0.02     | 0.09     | ND          | 4          | Captan                | 0.01     | 0.02     | ND          | 5          |
| Cypermethrin            | 0.02     | 0.1      | ND          | 1          | Cyfluthrin            | 0.04     | 0.1      | ND          | 1          |
| Fenhexamid              | 0.02     | 0.07     | ND          | 10         | Spinetoram J.L        | 0.02     | 0.07     | ND          | 3          |
| Pentachloronitrobenzene | 0.01     | 0.1      | ND          | 0.2        |                       |          |          |             |            |

RES - Residual Solvents Analysis

Analyzed Oct 27, 2023 | 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)             | 0.4      | 40.0     | ND          | 5000       | Butane (But)                  | 0.4      | 40.0     | ND          | 5000       |
| Methanol (Metha)           | 0.4      | 40.0     | ND          | 3000       | Ethylene Oxide (EthOx)        | 0.4      | 0.8      | ND          | 1          |
| Pentane (Pen)              | 0.4      | 40.0     | ND          | 5000       | Ethanol (Etham)               | 0.4      | 40.0     | ND          | 5000       |
| Ethyl Ether (EthEt)        | 0.4      | 40.0     | ND          | 5000       | Acetone (Acet)                | 0.4      | 40.0     | ND          | 5000       |
| Isopropanol (2-Pro)        | 0.4      | 40.0     | ND          | 5000       | Acetonitrile (Acetonit)       | 0.4      | 40.0     | ND          | 410        |
| Methylene Chloride (MetCh) | 0.4      | 0.8      | ND          | 1          | Hexane (Hex)                  | 0.4      | 40.0     | ND          | 290        |
| Ethyl Acetate (EthAc)      | 0.4      | 40.0     | ND          | 5000       | Chloroform (Clo)              | 0.4      | 0.8      | ND          | 1          |
| Benzene (Ben)              | 0.4      | 0.8      | ND          | 1          | 1,2-Dichloroethane (1,2-Dich) | 0.4      | 0.8      | ND          | 1          |
| Heptane (Hep)              | 0.4      | 40.0     | ND          | 5000       | Trichloroethylene (TriClEth)  | 0.4      | 0.8      | ND          | 1          |
| Toluene (Toluene)          | 0.4      | 40.0     | ND          | 890        | Xylenes (Xyl)                 | 0.4      | 40.0     | ND          | 2170       |

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Oct 26, 2023 | 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 Analysis

Analyzed Oct 26, 2023 | 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> |

UJ Unidentified  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Reported  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
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 TNTC Too Numerous to Count



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