#### PharmLabs San Diego Certificate of Analysis

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#### Sample D8 Highlighter - Green Crack - 2 Gram (Sativa) CRC231506-05

| Sample ID SD230622-111 (8024) | 3)                          | Matrix Concentrate (Inhalable Cannabis Good) |
|-------------------------------|-----------------------------|----------------------------------------------|
| Tested for Canna River        |                             |                                              |
| Sampled -                     | Received Jun 22, 2023       | Reported Jul 03, 2023                        |
| Analuses executed CANX, RES.  | , MIBIG, MTO, PES, HME, FVI | Unit Mass (a) 2.0                            |

Laboratory note: The estimated concentration of the unknown peak in the sample is 5.29% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromotogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or 49-THC. At this time there are no reference standards available for (+)d8-THC is a different compound from the main (-)d8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)d8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)d8-THC with the majority, if not all, of the concentration being (+)d8-THC. Total (+/-) D8 Concentration is estimated to be :93.61%.

#### CANX - Cannabinoids Analysis

Analyzed Jun 26, 2023 | Instrument HPLC-VWD | Method

The expanded Uncertainty of the Cannabinoid analysis is approximately \$\mathcal{I}\$.806% at the 95% Confidence Level

| The expanded officer taining of the Carmabinoia analysis is approximately #.606%                                      | ut the 95   | 76 COIIII   | delice Le   | vei            |                   |
|-----------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|----------------|-------------------|
| Analyte                                                                                                               | LOD<br>mg/g | LOQ<br>mg/g | Result<br>% | Result<br>mg/g | Result<br>mg/Unit |
| 11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)                                                                 | 0.013       | 0.041       | ND          | ND             | ND                |
| Cannabidiorcin (CBDO)                                                                                                 | 0.002       | 0.007       | ND          | ND             | ND                |
| Abnormal Cannabidiorcin (a-CBDO)                                                                                      | 0.01        | 0.031       | ND          | ND             | ND                |
| (+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)                                                                         | 0.012       | 0.036       | ND          | ND             | ND                |
| 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)                                                                    | 0.007       | 0.021       | ND          | ND             | ND                |
| Cannabidiolic Acid (CBDA)                                                                                             | 0.001       | 0.16        | ND          | ND             | ND                |
| Cannabigerol Acid (CBGA)                                                                                              | 0.001       | 0.16        | ND          | ND             | ND                |
| Cannabigerol (CBG)                                                                                                    | 0.001       | 0.16        | ND          | ND             | ND                |
| Cannabidiol (CBD)                                                                                                     | 0.001       | 0.16        | ND          | ND             | ND                |
| 1(S)-THD (s-THD)                                                                                                      | 0.013       | 0.041       | ND          | ND             | ND                |
| 1(R)-THD (r-THD)                                                                                                      | 0.025       | 0.075       | ND          | ND             | ND                |
| Tetrahydrocannabivarin (THCV)                                                                                         | 0.001       | 0.16        | ND          | ND             | ND                |
| Δ8-tetrahydrocannabivarin (Δ8-THCV)                                                                                   | 0.021       | 0.064       | ND          | ND             | ND                |
| Cannabidihexol (CBDH)                                                                                                 | 0.005       | 0.16        | ND          | ND             | ND                |
| Tetrahydrocannabutol (Δ9-THCB)                                                                                        | 0.013       | 0.038       | ND          | ND             | ND                |
| Cannabinol (CBN)                                                                                                      | 0.001       | 0.16        | ND          | ND             | ND                |
| Cannabidiphorol (CBDP)                                                                                                | 0.015       | 0.047       | ND          | ND             | ND                |
| exo-THC (exo-THC)                                                                                                     | 0.005       | 0.16        | ND          | ND             | ND                |
| Tetrahydrocannabinol (Δ9-THC)                                                                                         | 0.003       | 0.16        | UI          | UI             | UI                |
| Δ8-tetrahydrocannabinol (Δ8-THC)                                                                                      | 0.004       | 0.16        | 89.61       | 896.10         | 1792.20           |
| (6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)                                                                      | 0.015       | 0.16        | ND          | ND             | ND                |
| Hexahydrocannabinol (S Isomer) (9s-HHC)                                                                               | 0.017       | 0.16        | ND          | ND             | ND                |
| (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)                                                                      | 0.007       | 0.16        | ND          | ND             | ND                |
| Hexahydrocannabinol (R Isomer) (9r-HHC)                                                                               | 0.016       | 0.16        | ND          | ND             | ND                |
| Tetrahydrocannabinolic Acid (THCA)                                                                                    | 0.001       | 0.16        | ND          | ND             | ND                |
| Δ9-Tetrahydrocannabihexol (Δ9-THCH)                                                                                   | 0.024       | 0.071       | ND          | ND             | ND                |
| Cannabinol Acetate (CBNO)                                                                                             | 0.014       | 0.043       | ND          | ND             | ND                |
| Δ9-Tetrahydrocannabiphorol (Δ9-THCP)                                                                                  | 0.017       | 0.16        | ND          | ND             | ND                |
| Δ8-Tetrahydrocannabiphorol (Δ8-THCP)                                                                                  | 0.041       | 0.16        | ND          | ND             | ND                |
| Cannabicitran (CBT)                                                                                                   | 0.005       | 0.16        | ND          | ND             | ND                |
| Δ8-THC-O-acetate (Δ8-THCO)                                                                                            | 0.076       | 0.16        | ND          | ND             | ND                |
| 9(S)-HHCP (s-HHCP)                                                                                                    | 0.031       | 0.094       | ND          | ND             | ND                |
| Δ9-THC-O-acetate (Δ9-THCO)                                                                                            | 0.066       | 0.16        | ND          | ND             | ND                |
| 9(R)-HHCP (r-HHCP)                                                                                                    | 0.026       | 0.079       | ND          | ND             | ND                |
| 9(S)-HHC-O-acetate (s-HHCO)                                                                                           | 0.005       | 0.16        | ND          | ND             | ND                |
| 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)                                                                           | 0.067       | 0.204       | ND          | ND             | ND                |
| Δ9-THC methyl ether (Δ9-MeO-THC)                                                                                      |             |             | ND          | ND             | ND                |
| Total THC (THCa * 0.877 + \Delta 9THC)                                                                                |             |             | ND          | ND             | ND                |
| Total THC + $\Delta$ 8THC + $\Delta$ 10THC ( THCa $^{\circ}$ 0.877 + $\Delta$ 9THC + $\Delta$ 8THC + $\Delta$ 10THC ) |             |             | 89.61       | 896.10         | 1792.20           |
| Total CBD ( CBDa * 0.877 + CBD )                                                                                      |             |             | ND          | ND             | ND                |
| Total CBG ( CBGa * 0.877 + CBG )                                                                                      |             |             | ND          | ND             | ND                |
| Total HHC ( 9r-HHC + 9s-HHC )                                                                                         |             |             | ND          | ND             | ND                |
| Total Cannabinoids                                                                                                    |             |             | 89.61       | 896.10         | 1792.20           |



### **HME - Heavy Metals Detection Analysis**

Analyzed Jun 30, 2023 | Instrument ICP/MSMS | Method SOP-005

| Analyte      | LOD<br>ug/g | LOQ<br>ug/g | Result<br>ug/g | Limit<br>ug/g |
|--------------|-------------|-------------|----------------|---------------|
| Arsenic (As) | 0.0002      | 0.0005      | ND             | 0.2           |
| Cadmium (Cd) | 3.0e-05     | 0.0005      | ND             | 0.2           |
| Mercury (Hg) | 1.0e-05     | 0.0001      | ND             | 0.1           |
| Lead (Pb)    | 1.0e-05     | 0.00125     | ND             | 0.5           |

UI Not Identified
ND Not Detected
NA Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
LOQ Detected
JULIOL Above upper limit of linearity
CFU/q Colony Forming Units per 1 gram
TNTC Too Numerous to Count







Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Mon, 03 Jul 2023 13:41:09 -0700



## MIBIG - Microbial Testing Analysis

Analyzed Jul 03, 2023 | Instrument qPCR and/or Plating | Method SOP-007

| Analyte                                | Result<br>CFU/g | Limit         | Analyte             | Result<br>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 |
| Asperaillus niger                      | ND              | ND per 1 gram | Asperaillus terreus | ND              | ND per 1 gram |

# MTO - Mycotoxin Testing Analysis

Analyzed Jun 30, 2023 | Instrument LC/MSMS | Method SOP-004

| Analyte      | LOD<br>ug/kg | LOQ<br>ug/kg | Result<br>ug/kg (ppb) | Limit<br>ug/kg | Analyte          | LOD<br>ug/kg | LOQ<br>ug/kg | Result<br>ug/kg (ppb) | Limit<br>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 Not Identified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
4.0Q Detected
- ULQ.D. Above upper limit of linearity
- CFU/g Colony forming Units per 1 gram
TNTC Too Numerous to Count









Authorized Signature

Brandon Starr Brandon Starr, Lab Manager Mon, 03 Jul 2023 13:41:09 -0700



## PES - Pesticides Screening Analysis

Analyzed Jun 30, 2023 | Instrument LC/MSMS GC/MSMS | Method SOP-003

| Analyte                 | LOD<br>ug/g | LOQ<br>ug/g | Result ug/g | Limit<br>ug/g | Analyte               | LOD<br>ug/g | LOQ<br>ug/g | Result ug/g | Limit<br>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         | NT          | 0.01          | Paclobutrazol         | 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         | NT          | 0.04          |
| Chlorfenapyr            | 0.03        | 0.1         | NT          | 0.03          | Methyl Parathion      | 0.02        | 0.1         | NT          | 0.02          |
| Mevinphos               | 0.03        | 0.08        | ND          | 0.03          | Abamectin             | 0.03        | 0.08        | ND          | 0.1           |
| Acephate                | 0.02        | 0.05        | ND          | 0.1           | Acetamiprid           | 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           | Chlorantraniliprole   | 0.01        | 0.04        | ND          | 10            |
| Clofentezine            | 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           |
| Fenpyroximate           | 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           |
| Spirotetramat           | 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           |
| Cypermethrin            | 0.02        | 0.1         | NT          | 1             | Cyfluthrin            | 0.04        | 0.1         | NT          | 2             |
| Fenhexamid              | 0.02        | 0.07        | ND          | 0.1           | Spinetoram J,L        | 0.02        | 0.07        | ND          | 0.1           |
| Pentachloronitrobenzene | 0.01        | 0.1         | NT          | 0.1           |                       |             |             |             |               |

# **RES - Residual Solvents Testing Analysis**

Analyzed Jul 03, 2023 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

| Analyte                    | LOD<br>ug/g | LOQ<br>ug/g | Result<br>ug/g                                                                                            | Limit<br>ug/g | Analyte                      | LOD<br>ug/g | LOQ<br>ug/g | Result<br>ug/g               | Limit<br>ug/g |
|----------------------------|-------------|-------------|-----------------------------------------------------------------------------------------------------------|---------------|------------------------------|-------------|-------------|------------------------------|---------------|
| Propane (Prop)             | 0.4         | 40.0        | ND                                                                                                        |               | Butane (But)                 | 0.4         | 40.0        | ND                           |               |
| Methanol (Metha)           | 0.4         | 40.0        | ND                                                                                                        |               | Ethylene Oxide (EthOx)       | 0.4         | 0.8         | 34.2                         |               |
| Pentane (Pen)              | 0.4         | 40.0        | ND                                                                                                        |               | Ethanol (Ethan)              | 0.4         | 40.0        | <loq< td=""><td></td></loq<> |               |
| Ethyl Ether (EthEt)        | 0.4         | 40.0        | ND                                                                                                        |               | Acetone (Acet)               | 0.4         | 40.0        | <loq< td=""><td></td></loq<> |               |
| Isopropanol (2-Pro)        | 0.4         | 40.0        | <loq< td=""><td></td><td>Acetonitrile (Acetonit)</td><td>0.4</td><td>40.0</td><td>ND</td><td></td></loq<> |               | Acetonitrile (Acetonit)      | 0.4         | 40.0        | ND                           |               |
| Methylene Chloride (MetCh) | 0.4         | 0.8         | ND                                                                                                        |               | Hexane (Hex)                 | 0.4         | 40.0        | ND                           |               |
| Ethyl Acetate (EthAc)      | 0.4         | 40.0        | ND                                                                                                        |               | Chloroform (Clo)             | 0.4         | 0.8         | ND                           |               |
| Benzene (Ben)              | 0.4         | 0.8         | ND                                                                                                        |               | 1-2-Dichloroethane (12-Dich) | 0.4         | 0.8         | ND                           |               |
| Heptane (Hep)              | 0.4         | 40.0        | ND                                                                                                        |               | Trichloroethylene (TriClEth) | 0.4         | 0.8         | ND                           |               |
| Toluene (Toluene)          | 0.4         | 40.0        | ND                                                                                                        |               | Xulenes (Xul)                | 0.4         | 40.0        | ND                           |               |

## FVI - Filth & Foreign Material Inspection Analysis

Analyzed Jun 29, 2023 | Instrument Microscope | Method SOP-010

| Analyte / Limit                                                           | Result | Analyte / Limit                                                           | Result |
|---------------------------------------------------------------------------|--------|---------------------------------------------------------------------------|--------|
| > 1/4 of the total sample area<br>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 3a          | ND     | > 1/4 of the total sample area<br>covered by an imbedded foreign material | ND     |

UI Not Identified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Operation
LOQ Detected
SULOL Above upper limit of linearity
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count









Authorized Signature

Branden Starr

Brandon Starr, Lab Manager Mon, 03 Jul 2023 13:41:09 -0700



