



Sample **Kruz Blueberry Kush 1G**

|               |             |                                       |                   |
|---------------|-------------|---------------------------------------|-------------------|
| Delta9 THC UI | THCa 20.95% | Total THC (THCa * 0.877 + THC) 18.37% | Delta8 THC 11.64% |
|---------------|-------------|---------------------------------------|-------------------|

|                                   |                       |
|-----------------------------------|-----------------------|
| Sample ID SD230725-067 (81648)    | Matrix Flower         |
| Tested for Kruz                   |                       |
| Sampled -                         | Received Jul 25, 2023 |
| Analyses executed FP-IO20, QARUSH | Reported Sep 01, 2023 |

Laboratory note: The estimated concentration of the unknown peak in the sample is 1.65% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)δ8-THC or d9-THC. At this time there are no reference standards available for (+)δ8-THC. (+)δ8-THC is a different compound from the main (-)δ8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)δ8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)δ8-THC and d9-THC with the majority, if not all, of the concentration being (+)δ8-THC. Total (+/-) D8 Concentration is estimated to be: 11.64%

CANx - Cannabinoids

Analyzed Aug 01, 2023 | 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 | Sample photography |
|--|----------|----------|----------|-------------|--------------------|
| 11-Hydroxy-Δ8-Tetrahydrocannabivarin (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     | 7.37     | 73.68       |                    |
| Cannabigerol Acid (CBGA)   | 0.033    | 0.16     | 1.46     | 14.64       |                    |
| Cannabigerol (CBG)   | 0.048    | 0.16     | 0.24     | 2.43        |                    |
| Cannabidiol (CBD)  | 0.069    | 0.229    | 1.06     | 10.58       |                    |
| 1(S)-Tetrahydrocannabidiol (1(S)-H4-CBD)                             | 0.008    | 0.026    | ND       | ND          |                    |
| 1(R)-Tetrahydrocannabidiol (1(R)-H4-CBD)                             | 0.016    | 0.049    | ND       | ND          |                    |
| Tetrahydrocannabivarin (THCV)  | 0.049    | 0.162    | ND       | ND          |                    |
| Δ8-tetrahydrocannabivarin (Δ8-THCV)                                  | 0.012    | 0.036    | ND       | ND          |                    |
| Cannabidiol (CBDH)   | 0.005    | 0.16     | ND       | ND          |                    |
| Tetrahydrocannabinol (Δ9-THCB)                                       | 0.01     | 0.029    | ND       | ND          |                    |
| Cannabinol (CBN)   | 0.047    | 0.16     | 4.31     | 43.09       |                    |
| Cannabidiophorol (CBDP)  | 0.016    | 0.049    | ND       | ND          |                    |
| exo-THC (exo-THC)  | 0.016    | 0.8      | ND       | ND          |                    |
| Tetrahydrocannabinol (Δ9-THC)  | 0.092    | 0.307    | UI       | UI          |                    |
| Δ8-tetrahydrocannabinol (Δ8-THC)                                     | 0.044    | 0.16     | 11.64    | 116.40      |                    |
| (6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)                     | 0.015    | 0.8      | ND       | ND          |                    |
| Hexahydrocannabinol (S Isomer) (9s-HHC)                              | 0.017    | 0.8      | 0.50     | 4.97        |                    |
| (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)                     | 0.007    | 0.8      | ND       | ND          |                    |
| Hexahydrocannabinol (R Isomer) (9r-HHC)                              | 0.016    | 0.8      | 0.74     | 7.40        |                    |
| Tetrahydrocannabinolic Acid (THCA)                                   | 0.117    | 0.389    | 20.95    | 209.47      |                    |
| Δ9-Tetrahydrocannabinol (Δ9-THCH)                                    | 0.02     | 0.061    | ND       | ND          |                    |
| Cannabinol Acetate (CBNO)  | 0.009    | 0.027    | ND       | ND          |                    |
| Δ9-Tetrahydrocannabiphorol (Δ9-THCP)                                 | 0.017    | 0.8      | ND       | ND          |                    |
| Δ8-Tetrahydrocannabiphorol (Δ8-THCP)                                 | 0.041    | 0.8      | ND       | ND          |                    |
| Cannabicitran (CBT)  | 0.005    | 0.16     | ND       | ND          |                    |
| 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)  | 0.005    | 0.16     | 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 )                                   |          |          | 18.37    | 183.71      |                    |
| Total THC + Δ8THC + Δ10THC ( THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC ) |          |          | 30.01    | 300.11      |                    |
| Total CBD ( CBDA * 0.877 + CBD )                                     |          |          | 7.52     | 75.19       |                    |
| Total CBG ( CBGA * 0.877 + CBG )                                     |          |          | 1.53     | 15.27       |                    |
| Total HHC ( 9r-HHC + 9s-HHC )  |          |          | 1.24     | 12.37       |                    |
| Total Cannabinoids Analyzed  |          |          | 44.60    | 446.03      |                    |

\*Dry Weight %

HME - Heavy Metals

Analyzed Jul 28, 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   | 0.17        | 1.5        |
| Cadmium (Cd) | 0.0005   | 0.0015   | 0.08        | 0.5        |
| Mercury (Hg) | 0.0058   | 0.0174   | 0.00        | 3          |
| Lead (Pb)    | 0.0006   | 0.0018   | 0.12        | 0.5        |

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



DCC license: C8-0000098-LIC  
DEA license: RP0611043  
ISO/IEC 17025:2017 Acc. 85368



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager  
Fri, 01 Sep 2023 17:17:02 -0700

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



\*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. When a Pass/Fail status is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly required by federal, state or local laws and has been reported on the certificate of analysis. Measurement of uncertainty is available upon request.

MIBIG - Microbial

Analyzed Jul 27, 2023 | Instrument qPCR and/or Plating | Method SOP-007

| Analyte                                | LOD<br>CFU/g | LOQ<br>CFU/g | Result<br>CFU/g | Limit<br>CFU/g |
|--|--------------|--------------|-----------------|----------------|
| Shiga toxin-producing Escherichia Coli | 1.0          | 1.0          | Negative        | 1              |
| Salmonella spp.                        | 1.0          | 1.0          | Negative        | 1              |
| Aspergillus fumigatus                  | 1.0          | 1.0          | Negative        | 1              |
| Aspergillus flavus                     | 1.0          | 1.0          | Negative        | 1              |
| Aspergillus niger                      | 1.0          | 1.0          | ND              | 1              |
| Aspergillus terreus                    | 1.0          | 1.0          | Negative        | 1              |

MTO - Mycotoxin

Analyzed Jul 31, 2023 | Instrument LC/MSMS | Method SOP-004

| Analyte      | LOD<br>ug/kg | LOQ<br>ug/kg | Result<br>ug/kg | Limit<br>ug/kg | Analyte          | LOD<br>ug/kg | LOQ<br>ug/kg | Result<br>ug/kg | 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 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



DCC license: C8-0000098-LIC  
DEA license: RP0611043  
ISO/IEC 17025:2017 Acc. 85368



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager  
Fri, 01 Sep 2023 17:17:02 -0700

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



\*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. When a Pass/Fail status is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly required by federal, state or local laws and has been reported on the certificate of analysis. Measurement of uncertainty is available upon request.

PES - Pesticides

Analyzed Aug 30, 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                | 0.01     | 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          |            |
| Chlorpyrifas            | 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      | <LOQ        |            | 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          |            | Bifenazote            | 0.01     | 0.05     | ND          |            |
| Bifenthrin              | 0.02     | 0.35     | ND          |            | Boscalid              | 0.01     | 0.03     | ND          |            |
| Carbaryl                | 0.01     | 0.02     | ND          |            | Chlorantranilprole    | 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          |            | Flonicamid            | 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          |            | Metaxalyl             | 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          |            | Chlormequat Chloride  | 0.02     | 0.1      | NT          |            |

RES - Residual Solvents

Analyzed Sep 01, 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)             | 0.044    | 0.4      | ND          |            | Butane (But)                 | 0.02     | 0.4      | ND          |            |
| Methanol (Metha)           | 1.176    | 3.92     | ND          |            | Ethylene Oxide (EthOx)       | 0.08     | 0.4      | ND          |            |
| Pentane (Pen)              | 0.024    | 0.4      | ND          |            | Ethanol (Ethan)              | 0.048    | 0.4      | ND          |            |
| Ethyl Ether (EthEt)        | 0.036    | 0.4      | ND          |            | Acetone (Acet)               | 0.044    | 0.4      | 52.9        |            |
| Isopropanol (2-Pro)        | 1.16     | 3.868    | ND          |            | Acetonitrile (Acetonit)      | 0.888    | 2.952    | ND          |            |
| Methylene Chloride (MetCh) | 0.04     | 0.4      | ND          |            | Hexane (Hex)                 | 0.012    | 0.4      | ND          |            |
| Ethyl Acetate (EthAc)      | 0.032    | 0.4      | ND          |            | Chloroform (Clo)             | 0.028    | 0.4      | 54.8        |            |
| Benzene (Ben)              | 0.012    | 0.4      | ND          |            | 1-2-Dichloroethane (12-Dich) | 0.024    | 0.4      | ND          |            |
| Heptane (Hep)              | 0.012    | 0.4      | <LOQ        |            | Trichloroethylene (TriClEth) | 0.072    | 0.4      | ND          |            |
| Toluene                    | 0.036    | 0.4      | ND          |            | Xylenes (Xyl)                | 0.012    | 0.4      | ND          |            |

FVI - Filth & Foreign Material Inspection

Analyzed Jul 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

Analyzed Jul 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   | 6.4 % Mw | 13 % Mw | Water Activity (WA) | 0.03  | 0.03  | 0.46 a <sub>w</sub> | 0.85 a <sub>w</sub> |

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



DCC license: C8-0000098-LIC  
DEA license: RP0611043  
ISO/IEC 17025:2017 Acc. 85368



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager  
Fri, 01 Sep 2023 17:17:02 -0700

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



\*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. When a Pass/Fail status is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly required by federal, state or local laws and has been reported on the certificate of analysis. Measurement of uncertainty is available upon request.