

PharmLabs San Diego Certificate of Analysis



Sample Royal Flush Batch ID: 3GTHCAPR2501 LOT ID: RF0003

| | | | | | | | |
|------------|-------|------|--------|--------------------------------|--------|------------|----|
| Delta9 THC | 0.21% | THCa | 25.42% | Total THC (THCa * 0.877 + THC) | 22.50% | Delta8 THC | ND |
|------------|-------|------|--------|--------------------------------|--------|------------|----|

| | | | |
|-------------------|-----------------------|----------|--------------|
| Sample ID | SD250123-067 (105639) | Matrix | Flower |
| Tested for | LITTO | | |
| Sampled | - | Received | Jan 23, 2025 |
| Analyses executed | FP-IO20 | Reported | Feb 04, 2025 |

Laboratory note: COA Update: 2/4/25 - Updated photo

CANx - Cannabinoids

Analyzed Jan 15, 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 |
|---|----------|----------|--------------|---------------|
| 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 | 0.07 | 0.67 |
| Cannabigerol Acid (CBGA) | 0.033 | 0.16 | 1.86 | 18.57 |
| Cannabigerol (CBG) | 0.048 | 0.16 | 0.22 | 2.19 |
| Cannabidiol (CBD) | 0.069 | 0.229 | 0.06 | 0.65 |
| 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 | ND | ND |
| Δ8-tetrahydrocannabinol (Δ8-THCV) | 0.012 | 0.036 | ND | ND |
| Cannabidihexol (CBDH) | 0.014 | 0.042 | ND | ND |
| Tetrahydrocannabinol (Δ9-THCB) | 0.01 | 0.029 | ND | ND |
| Cannabinol (CBN) | 0.047 | 0.16 | ND | ND |
| Cannabidiphoral (CBDP) | 0.016 | 0.049 | ND | ND |
| exo-THC (exo-THC) | 0.005 | 0.16 | ND | ND |
| Tetrahydrocannabinol (Δ9-THC) | 0.092 | 0.307 | 0.21 | 2.06 |
| Δ8-tetrahydrocannabinol (Δ8-THC) | 0.044 | 0.16 | ND | ND |
| (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 | 25.42 | 254.24 |
| Δ9-Tetrahydrocannabinol (Δ9-THCH) | 0.02 | 0.061 | ND | ND |
| Cannabinol Acetate (CBNO) | 0.009 | 0.027 | ND | ND |
| 9(S)-Hexahydrocannabinolic Acid (9(S)-HHCa) | 0.063 | 0.065 | ND | ND |
| 9(R)-Hexahydrocannabinolic Acid (9(R)-HHCa) | 0.191 | 0.196 | ND | ND |
| Δ9-Tetrahydrocannabinol (Δ9-THCP) | 0.017 | 0.8 | ND | ND |
| Δ8-Tetrahydrocannabinol (Δ8-THCP) | 0.041 | 0.8 | ND | ND |
| Cannabitran (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) | 0.037 | 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) | | | 22.50 | 225.03 |
| Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) | | | 22.50 | 225.03 |
| Total CBD (CBDA * 0.877 + CBD) | | | 0.12 | 1.24 |
| Total CBG (CBGA * 0.877 + CBG) | | | 1.85 | 18.48 |
| Total HHC (9r-HHC + 9s-HHC) | | | ND | ND |
| Total Cannabinoids Analyzed | | | 24.47 | 244.74 |



*Dry Weight %

HME - Heavy Metals

Analyzed Jan 29, 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 | 0.05 | 1.5 |
| Cadmium (Cd) | 0.0005 | 0.0015 | 0.02 | 0.5 |
| Mercury (Hg) | 0.0058 | 0.0174 | ND | 3 |
| Lead (Pb) | 0.0006 | 0.0018 | 0.06 | 0.5 |

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



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
 Tue, 04 Feb 2025 15:14:45 -0800

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 Jan 27, 2025 | Instrument qPCR and/or 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 | 1 |
| 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 Jan 29, 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 | - |
| 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
 Tue, 04 Feb 2025 15:14:45 -0800

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 Jan 29, 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 | | Carbafuran | 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 | |
| Pacllobutrazol | 0.01 | 0.03 | ND | | Chlorpyrifos | 0.01 | 0.04 | ND | |
| Ethoprophos (Prophos) | 0.01 | 0.02 | ND | | Baygon (Propoxur) | 0.01 | 0.02 | 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 | | Bifenazate | 0.01 | 0.05 | ND | |
| Bifenthrin | 0.02 | 0.35 | ND | | Boscalid | 0.01 | 0.03 | ND | |
| Carbaryl | 0.01 | 0.02 | ND | | Chlorantraniliprole | 0.01 | 0.04 | ND | |
| Clofentazine | 0.01 | 0.03 | ND | | Diazinon | 0.01 | 0.02 | ND | |
| Dimethomorph | 0.02 | 0.06 | ND | | Etoxazole | 0.01 | 0.05 | ND | |
| Fenproxiimate | 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 | | Metalaxyl | 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 | |
| Spiratetramat | 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 | |
| Fenhexamid | 0.02 | 0.07 | ND | | Spinetoram J.L | 0.02 | 0.07 | ND | |

RES - Residual Solvents

Analyzed Jan 28, 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 | 73.9 | | Butane (But) | 0.02 | 0.4 | 58.8 | |
| Methanol (Metha) | 1.176 | 3.92 | 2548.1 | | Ethylene Oxide (EthOx) | 0.08 | 0.4 | ND | |
| Pentane (Pen) | 0.024 | 0.4 | ND | | Ethanol (Ethanol) | 0.048 | 0.4 | ND | |
| Ethyl Ether (EthEt) | 0.036 | 0.4 | ND | | Acetone (Acet) | 0.044 | 0.4 | 167.1 | |
| Isopropanol (2-Pro) | 1.16 | 3.868 | <LOQ | | Acetonitrile (Acetonit) | 0.888 | 2.952 | <LOQ | |
| Methylene Chloride (MetCh) | 0.04 | 0.4 | ND | | Hexane (Hex) | 0.012 | 0.4 | ND | |
| Ethyl Acetate (EthAc) | 0.032 | 0.4 | <LOQ | | Chloroform (Clo) | 0.028 | 0.4 | ND | |
| Benzene (Ben) | 0.012 | 0.4 | ND | | 1-2-Dichloroethane (12-Dich) | 0.024 | 0.4 | ND | |
| Heptane (Hep) | 0.012 | 0.4 | ND | | Trichloroethylene (TriClEth) | 0.072 | 0.4 | ND | |
| Toluene | 0.036 | 0.4 | <LOQ | | Xylenes (Xyl) | 0.012 | 0.4 | ND | |

FVI - Filth & Foreign Material Inspection

Analyzed Jan 24, 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 |

MWA - Moisture Content & Water Activity

Analyzed Jan 15, 2025 | 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 | 9.9 % Mw | 13 % Mw | Water Activity (WA) | 0.03 | 0.03 | 0.49 a _w | 0.85 a _w |

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



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
 Tue, 04 Feb 2025 15:14:45 -0800

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 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.