

PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-000098-LIC
 ISO/IEC 17025:2017 Acc. L17-427-1 #85368



Sample **Astro 3.5 HHCP + THCP + THCA Disp - Galaxy Goo**

| | |
|---|---|
| Sample ID SD230727-037 (81757) | Matrix Concentrate (Inhalable Cannabis Good) |
| Tested for A8 Industries | |
| Sampled - | Received Jul 27, 2023 |
| Analyses executed CANX, PES, HME, QARUSH | Reported Aug 01, 2023 |
| | Unit Mass (g) 3.5 |

Laboratory note: The estimated concentration of the unknown peak in the sample is 21.33% | 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 (+)8-THC or d9-THC. At this time there are no reference standards available for (+)8-THC. (+)8-THC is a different compound from the main (-)8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)8-THC and d9-THC with the majority, if not all, of the concentration being (+)8-THC. Total (+/-) D8 Concentration is estimated to be: 57.31%

CANX - Cannabinoids Analysis

Analyzed **Aug 01, 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/Unit |
|--|----------|----------|--------------|---------------|----------------|
| 11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THCV) | 0.015 | 0.041 | ND | ND | ND |
| Cannabidiol (CBD) | 0.002 | 0.007 | ND | ND | ND |
| Abnormal Cannabidiol (a-CBDO) | 0.01 | 0.031 | ND | ND | ND |
| (+/-)-9B-Hydroxy-Hexahydrocannabinol (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 |
| Tetrahydrocannabinol (THCV) | 0.001 | 0.16 | ND | ND | ND |
| Δ8-tetrahydrocannabinol (Δ8-THCV) | 0.021 | 0.064 | ND | ND | ND |
| Cannabidihexol (CBDH) | 0.005 | 0.16 | ND | ND | ND |
| Tetrahydrocannabinol (Δ9-THCB) | 0.013 | 0.038 | ND | ND | ND |
| Cannabinol (CBN) | 0.001 | 0.16 | ND | ND | ND |
| Cannabidiphoral (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 | 57.31 | 573.10 | 2005.85 |
| (6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10) | 0.015 | 0.16 | ND | ND | ND |
| Hexahydrocannabinol (S Isomer) (9s-HHC) | 0.017 | 0.16 | 4.94 | 49.43 | 173.00 |
| (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10) | 0.007 | 0.16 | ND | ND | ND |
| Hexahydrocannabinol (R Isomer) (9r-HHC) | 0.016 | 0.16 | 14.01 | 140.11 | 490.38 |
| Tetrahydrocannabinolic Acid (THCA) | 0.001 | 0.16 | 2.47 | 24.74 | 86.60 |
| Δ9-Tetrahydrocannabinol (Δ9-THCH) | 0.024 | 0.071 | ND | ND | ND |
| Cannabinol Acetate (CBNO) | 0.014 | 0.043 | ND | ND | ND |
| Δ9-Tetrahydrocannabinol (Δ9-THCP) | 0.017 | 0.16 | 3.98 | 39.81 | 139.32 |
| Δ8-Tetrahydrocannabinol (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 |
| 9(R)-HHC-O-acetate (r-HHCO) | 0.008 | 0.025 | ND | ND | ND |
| 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8) | 0.067 | 0.204 | ND | ND | ND |
| Total THC (THCa * 0.877 + Δ9THC) | | | 2.17 | 21.70 | 75.95 |
| Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) | | | 59.48 | 594.80 | 2081.80 |
| Total CBD (CBDA * 0.877 + CBD) | | | ND | ND | ND |
| Total CBG (CBGA * 0.877 + CBG) | | | ND | ND | ND |
| Total HHC (9r-HHC + 9s-HHC) | | | 18.95 | 189.54 | 663.38 |
| Total Cannabinoids | | | 82.41 | 824.14 | 2884.50 |

Sample photography



HME - Heavy Metals Analysis

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 | 0.00 | 1.5 |
| Cadmium (Cd) | 0.0005 | 0.0015 | 0.00 | 0.5 |
| Mercury (Hg) | 0.0058 | 0.0174 | ND | 3 |
| Lead (Pb) | 0.0006 | 0.0018 | <LOQ | 0.5 |
| Nickel (Ni) | 6.0e-05 | 0.0002 | NT | |

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



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
 Tue, 01 Aug 2023 12:37:45 -0700

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Acc. L17-427-1



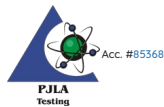
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PES - Pesticides Analysis

Analyzed Jul 31, 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 |
| Imazail | 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 | 0.05 | 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 |
| Clofentazine | 0.01 | 0.03 | ND | 0.1 | Diazinon | 0.01 | 0.02 | ND | 0.1 |
| Dimethomorph | 0.02 | 0.06 | ND | 2 | Etoazole | 0.01 | 0.05 | ND | 0.1 |
| Fenpyroximate | 0.02 | 0.1 | ND | 0.1 | Fonicamid | 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 | ND | 1 | Cyfluthrin | 0.04 | 0.1 | ND | 2 |
| Fenhexamid | 0.02 | 0.07 | ND | 0.1 | Spinetoram J.L | 0.02 | 0.07 | ND | 0.1 |
| Pentachloronitrobenzene | 0.01 | 0.1 | ND | 0.1 | | | | | |

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



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
 Tue, 01 Aug 2023 12:37:45 -0700

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