 QA Testing

PharmLabs San Diego Certificate of Analysis
3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-0000098-LIC
ISO/IEC 17025:2017 Acc. L17-427-1 #85368

Sample **Astro 3.5 HHCP + THCP + THCA Disp - Pluto Punch**
Sample ID **SD230727-040 (81760)**
Tested for **A8 Industries** Matrix **Concentrate (Inhalable Cannabis Good)**
Sampled **-**
Analyses executed **CANX, PES, HME, QARUSH** Received Mar **27, 2025** Reported Mar **01, 2025**
Unit Mass (g) **3.5**

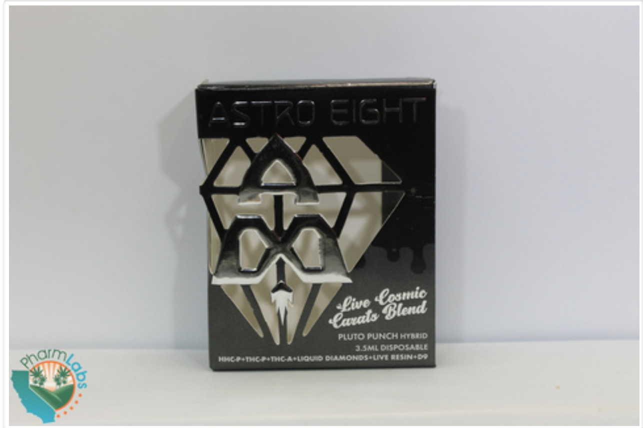
Laboratory note: The estimated concentration of the unknown peak in the sample is 21.26% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC. (+)d8-THC is a di-erent compound from the main (-)d8-THC cannabinoid and, therefore, these two compounds may have di-erent e/cacies. 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 and d9-THC with the majority, if not all, of the concentration being (+)d8-THC. Total (+/-) D8 Concentration is estimated to be: 57.12%

CANX - Cannabinoids Analysis

Analyzed Mar **01, 2025** | Instrument **HPLC-VWD** | Method **SOP-001** The expanded Uncertainty of the Cannabinoid analysis is approximately ±**7.806**% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result 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	57.12	571.20	1999.20
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	5.09	50.86	178.01
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	14.17	141.66	495.82
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	3.91	39.06	136.71
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
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)			UI	UI	UI
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			57.12	571.20	1999.20
Total CBD (CBDa * 0.877 + CBD)			ND	ND	ND
Total CBG (CBGa * 0.877 + CBG)			ND	ND	ND
Total HHC (9r-HHC + 9s-HHC)			19.25	192.52	673.83
Total Cannabinoids			80.28	802.78	2809.74

Sample photography



HME - Heavy Metals Analysis

Analyzed Mar **28, 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	ND	1.5
Cadmium (Cd)	0.0005	0.0015	<LOQ	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	0.01	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

Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr, Lab Manager
Tue, 01 Mar 2025 12:42:40 -0700

PES - Pesticides Analysis

Analyzed Mar **31, 2025** | Instrument **LC/MSMS GC/MSMS** | Method **SOP-003**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078
Dimethoate	0.01	0.02	ND	0.01
Fenoxycarb	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01
Imazalil	0.02	0.07	ND	0.02
Spiroxamine	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01
Chlorfenapyr	0.03	0.1	ND	0.03
Mevinphos	0.03	0.08	ND	0.03
Acephate	0.02	0.05	ND	0.1
Azoxystrobin	0.01	0.02	ND	0.1
Bifenthrin	0.02	0.35	ND	3
Carbaryl	0.01	0.02	ND	0.5
Clofentezine	0.01	0.03	ND	0.1
Dimethomorph	0.02	0.06	ND	2
Fenpyroximate	0.02	0.1	ND	0.1
Fludioxonil	0.01	0.05	ND	0.1
Imidacloprid	0.01	0.05	ND	5
Malathion	0.01	0.05	ND	0.5
Methomyl	0.02	0.05	ND	1
Naled	0.01	0.02	ND	0.1
Permethrin	0.01	0.02	ND	0.5
Piperonyl Butoxide	0.02	0.06	ND	3
Prallethrin	0.02	0.05	ND	0.1
Pyridaben	0.02	0.07	ND	0.1
Spinosad D	0.01	0.05	ND	0.1
Spirotetramat	0.01	0.02	ND	0.1
Thiamethoxam	0.01	0.02	ND	5
Acequinocyl	0.02	0.09	ND	0.1
Cypermethrin	0.02	0.1	ND	1
Fenhexamid	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	ND	0.1

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Carbofuran	0.01	0.02	ND	0.01
Etofenprox	0.02	0.1	ND	0.02
Thiachloprid	0.01	0.02	ND	0.01
Dichlorvos	0.02	0.07	ND	0.02
Methiocarb	0.01	0.02	ND	0.01
Coumaphos	0.01	0.02	ND	0.01
Paclobutrazol	0.01	0.03	ND	0.01
Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Chlordane	0.04	0.1	ND	0.04
Methyl Parathion	0.02	0.1	ND	0.02
Abamectin	0.03	0.08	ND	0.1
Acetamiprid	0.01	0.05	ND	0.1
Bifenazate	0.01	0.05	ND	0.1
Boscalid	0.01	0.03	ND	0.1
Chlorantraniliprole	0.01	0.04	ND	10
Diazinon	0.01	0.02	ND	0.1
Etoxazole	0.01	0.05	ND	0.1
Flonicamid	0.01	0.02	ND	0.1
Hexythiazox	0.01	0.03	ND	0.1
Kresoxim-methyl	0.01	0.03	ND	0.1
Metalaxyl	0.01	0.02	ND	2
Myclobutanil	0.02	0.07	ND	0.1
Oxamyl	0.01	0.02	ND	0.5
Phosmet	0.01	0.02	ND	0.1
Propiconazole	0.03	0.08	ND	0.1
Pyrethrin	0.05	0.41	ND	0.5
Spinosad A	0.01	0.05	ND	0.1
Spiromesifen	0.02	0.06	ND	0.1
Tebuconazole	0.01	0.02	ND	0.1
Trifloxystrobin	0.01	0.02	ND	0.1
Captan	0.01	0.02	ND	0.7
Cyfluthrin	0.04	0.1	ND	2
Spinetoram J,L	0.02	0.07	ND	0.1

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

Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr, Lab Manager
Tue, 01 Mar 2025 12:42:40 -0700

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ISO/IEC 17025:2017 Acc. L17-427-1 #85368

Sample **Astro 3.5 HHCP + THCP + THCA Disp - Blackhole Berry**

Sample ID **SD230727-039 (81759)**
Tested for **A8 Industries** Matrix **Concentrate (Inhalable Cannabis Good)**
Sampled **-**
Analyses executed **CANX, PES, HME, QARUSH** Received Mar **27, 2025** Reported Mar **01, 2025**
Unit Mass (g) **3.5**

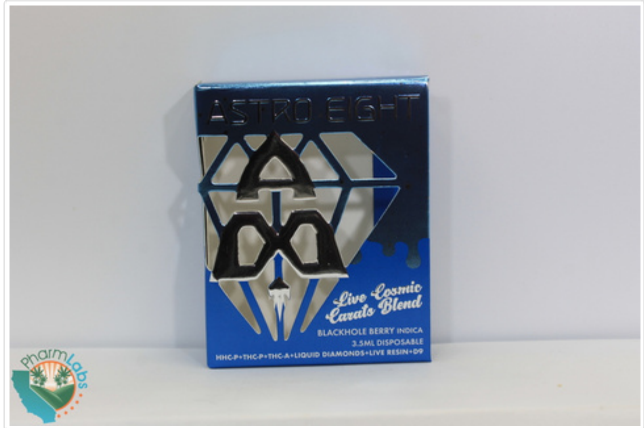
Laboratory note: The estimated concentration of the unknown peak in the sample is 21.79% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC. (+)d8-THC is a di-erent compound from the main (-)d8-THC cannabinoid and, therefore, these two compounds may have di-erent e/cacies. 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 and d9-THC with the majority, if not all, of the concentration being (+)d8-THC. Total (+/-) D8 Concentration is estimated to be: 58.58%

CANX - Cannabinoids Analysis

Analyzed Mar **01, 2025** | Instrument **HPLC-VWD** | Method **SOP-001** The expanded Uncertainty of the Cannabinoid analysis is approximately ±**7.806**% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result 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	58.58	585.80	2050.30
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	5.71	57.06	199.70
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	14.90	149.04	521.63
Tetrahydrocannabinolic Acid (THCA)		0.16	2.15	21.51	75.29
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.001	0.071	ND	ND	ND
Cannabinol Acetate (CBNO)	0.024	0.043	ND	ND	ND
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.014	0.16	3.95	39.45	138.08
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.017	0.16	ND	ND	ND
Cannabicitran (CBT)	0.041	0.16	ND	ND	ND
Δ8-THC-O-acetate (Δ8-THCO)	0.005	0.16	ND	ND	ND
9(S)-HHCP (s-HHCP)	0.076	0.094	ND	ND	ND
Δ9-THC-O-acetate (Δ9-THCO)	0.031	0.16	ND	ND	ND
9(R)-HHCP (r-HHCP)	0.066	0.079	ND	ND	ND
9(S)-HHC-O-acetate (s-HHCO)	0.026	0.16	ND	ND	ND
9(R)-HHC-O-acetate (r-HHCO)	0.005	0.025	ND	ND	ND
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.008	0.204	ND	ND	ND
Total THC (THCa * 0.877 + Δ9THC)	0.067		1.89	18.87	66.03
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			60.47	604.67	2116.33
Total CBD (CBDa * 0.877 + CBD)			ND	ND	ND
Total CBG (CBGa * 0.877 + CBG)			ND	ND	ND
Total HHC (9r-HHC + 9s-HHC)			20.61	206.09	721.33
Total Cannabinoids			85.02	850.21	2975.73

Sample photography



HME - Heavy Metals Analysis

Analyzed Mar **28, 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	0.00	1.5
Cadmium (Cd)	0.0005	0.0015	<LOQ	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	0.01	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

Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr, Lab Manager
Tue, 01 Mar 2025 12:40:32 -0700

PES - Pesticides Analysis

Analyzed Mar **31, 2025** | Instrument **LC/MSMS GC/MSMS** | Method **SOP-003**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078
Dimethoate	0.01	0.02	ND	0.01
Fenoxycarb	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01
Imazalil	0.02	0.07	ND	0.02
Spiroxamine	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01
Chlorfenapyr	0.03	0.1	ND	0.03
Mevinphos	0.03	0.08	ND	0.03
Acephate	0.02	0.05	ND	0.1
Azoxystrobin	0.01	0.02	ND	0.1
Bifenthrin	0.02	0.35	ND	3
Carbaryl	0.01	0.02	ND	0.5
Clofentezine	0.01	0.03	ND	0.1
Dimethomorph	0.02	0.06	ND	2
Fenpyroximate	0.02	0.1	ND	0.1
Fludioxonil	0.01	0.05	ND	0.1
Imidacloprid	0.01	0.05	ND	5
Malathion	0.01	0.05	ND	0.5
Methomyl	0.02	0.05	ND	1
Naled	0.01	0.02	ND	0.1
Permethrin	0.01	0.02	ND	0.5
Piperonyl Butoxide	0.02	0.06	ND	3
Prallethrin	0.02	0.05	ND	0.1
Pyridaben	0.02	0.07	ND	0.1
Spinosad D	0.01	0.05	ND	0.1
Spirotetramat	0.01	0.02	ND	0.1
Thiamethoxam	0.01	0.02	ND	5
Acequinocyl	0.02	0.09	ND	0.1
Cypermethrin	0.02	0.1	ND	1
Fenhexamid	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	ND	0.1

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Carbofuran	0.01	0.02	ND	0.01
Etofenprox	0.02	0.1	ND	0.02
Thiachloprid	0.01	0.02	ND	0.01
Dichlorvos	0.02	0.07	ND	0.02
Methiocarb	0.01	0.02	ND	0.01
Coumaphos	0.01	0.02	ND	0.01
Paclobutrazol	0.01	0.03	ND	0.01
Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Chlordane	0.04	0.1	ND	0.04
Methyl Parathion	0.02	0.1	ND	0.02
Abamectin	0.03	0.08	ND	0.1
Acetamiprid	0.01	0.05	ND	0.1
Bifenazate	0.01	0.05	ND	0.1
Boscalid	0.01	0.03	ND	0.1
Chlorantraniliprole	0.01	0.04	ND	10
Diazinon	0.01	0.02	ND	0.1
Etoxazole	0.01	0.05	ND	0.1
Flonicamid	0.01	0.02	ND	0.1
Hexythiazox	0.01	0.03	ND	0.1
Kresoxim-methyl	0.01	0.03	ND	0.1
Metalaxyl	0.01	0.02	ND	2
Myclobutanil	0.02	0.07	ND	0.1
Oxamyl	0.01	0.02	ND	0.5
Phosmet	0.01	0.02	ND	0.1
Propiconazole	0.03	0.08	ND	0.1
Pyrethrin	0.05	0.41	ND	0.5
Spinosad A	0.01	0.05	ND	0.1
Spiromesifen	0.02	0.06	ND	0.1
Tebuconazole	0.01	0.02	ND	0.1
Trifloxystrobin	0.01	0.02	ND	0.1
Captan	0.01	0.02	ND	0.7
Cyfluthrin	0.04	0.1	ND	2
Spinetoram J,L	0.02	0.07	ND	0.1

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

PJLA Testing Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
Tue, 01 Mar 2025 12:40:32 -0700

QA Testing

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ISO/IEC 17025:2017 Acc. L17-427-1 #85368

Sample **Astro 3.5 HHCP + THCP + THCA Disp - Cosmic Kush**

Sample ID **SD230727-038 (81758)**
Tested for **A8 Industries** Matrix **Concentrate (Inhalable Cannabis Good)**
Sampled **-**
Analyses executed **CANX, PES, HME, QARUSH** Received Mar **27, 2025** Reported Mar **01, 2025**
Unit Mass (g) **3.5**

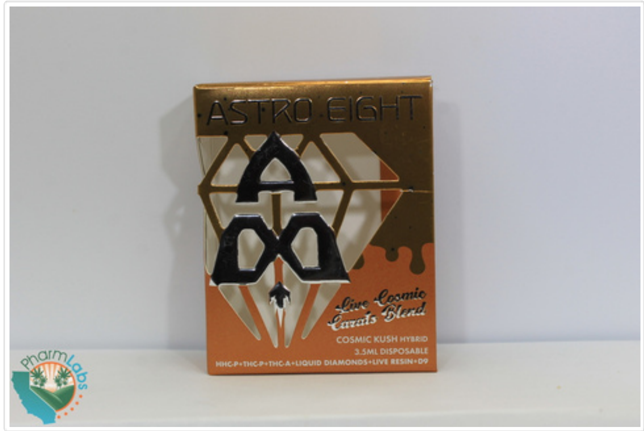
Laboratory note: The estimated concentration of the unknown peak in the sample is 21.02% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC. (+)d8-THC is a di-erent compound from the main (-)d8-THC cannabinoid and, therefore, these two compounds may have di-erent e/cacies. 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 and d9-THC with the majority, if not all, of the concentration being (+)d8-THC. Total (+/-) D8 Concentration is estimated to be: 56.86%

CANX - Cannabinoids Analysis

Analyzed Mar **01, 2025** | Instrument **HPLC-VWD** | Method **SOP-001** The expanded Uncertainty of the Cannabinoid analysis is approximately ±**7.806**% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result 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	56.86	568.60	1990.10
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	4.98	49.78	174.23
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	14.21	142.08	497.29
Tetrahydrocannabinolic Acid (THCA)		0.16	2.15	21.54	75.40
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.001	0.071	ND	ND	ND
Cannabinol Acetate (CBNO)	0.024	0.043	ND	ND	ND
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.014	0.16	3.89	38.87	136.05
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.017	0.16	ND	ND	ND
Cannabicitran (CBT)	0.041	0.16	ND	ND	ND
Δ8-THC-O-acetate (Δ8-THCO)	0.005	0.16	ND	ND	ND
9(S)-HHCP (s-HHCP)	0.076	0.094	ND	ND	ND
Δ9-THC-O-acetate (Δ9-THCO)	0.031	0.16	ND	ND	ND
9(R)-HHCP (r-HHCP)	0.066	0.079	ND	ND	ND
9(S)-HHC-O-acetate (s-HHCO)	0.026	0.16	ND	ND	ND
9(R)-HHC-O-acetate (r-HHCO)	0.005	0.025	ND	ND	ND
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.008	0.204	ND	ND	ND
Total THC (THCa * 0.877 + Δ9THC)	0.067		1.89	18.89	66.12
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			58.75	587.49	2056.22
Total CBD (CBDa * 0.877 + CBD)			ND	ND	ND
Total CBG (CBGa * 0.877 + CBG)			ND	ND	ND
Total HHC (9r-HHC + 9s-HHC)			19.19	191.86	671.52
Total Cannabinoids			81.82	818.23	2863.79

Sample photography



HME - Heavy Metals Analysis

Analyzed Mar **28, 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	0.00	1.5
Cadmium (Cd)	0.0005	0.0015	<LOQ	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	0.00	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

Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr, Lab Manager
Tue, 01 Mar 2025 12:39:13 -0700

 QA Testing

PES - Pesticides Analysis

Analyzed Mar **31, 2025** | Instrument **LC/MSMS GC/MSMS** | Method **SOP-003**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078
Dimethoate	0.01	0.02	ND	0.01
Fenoxycarb	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01
Imazalil	0.02	0.07	ND	0.02
Spiroxamine	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01
Chlorfenapyr	0.03	0.1	ND	0.03
Mevinphos	0.03	0.08	ND	0.03
Acephate	0.02	0.05	ND	0.1
Azoxystrobin	0.01	0.02	ND	0.1
Bifenthrin	0.02	0.35	ND	3
Carbaryl	0.01	0.02	ND	0.5
Clofentezine	0.01	0.03	ND	0.1
Dimethomorph	0.02	0.06	ND	2
Fenpyroximate	0.02	0.1	ND	0.1
Fludioxonil	0.01	0.05	ND	0.1
Imidacloprid	0.01	0.05	ND	5
Malathion	0.01	0.05	ND	0.5
Methomyl	0.02	0.05	ND	1
Naled	0.01	0.02	ND	0.1
Permethrin	0.01	0.02	ND	0.5
Piperonyl Butoxide	0.02	0.06	ND	3
Prallethrin	0.02	0.05	ND	0.1
Pyridaben	0.02	0.07	ND	0.1
Spinosad D	0.01	0.05	ND	0.1
Spirotetramat	0.01	0.02	ND	5
Thiamethoxam	0.01	0.02	ND	0.1
Acequinocyl	0.02	0.09	ND	1
Cypermethrin	0.02	0.1	ND	0.1
Fenhexamid	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	ND	0.1

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Carbofuran	0.01	0.02	ND	0.01
Etofenprox	0.02	0.1	ND	0.02
Thiachloprid	0.01	0.02	ND	0.01
Dichlorvos	0.02	0.07	ND	0.02
Methiocarb	0.01	0.02	ND	0.01
Coumaphos	0.01	0.02	ND	0.01
Paclobutrazol	0.01	0.03	ND	0.01
Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Chlordane	0.04	0.1	ND	0.04
Methyl Parathion	0.02	0.1	ND	0.02
Abamectin	0.03	0.08	ND	0.1
Acetamiprid	0.01	0.05	ND	0.1
Bifenazate	0.01	0.05	ND	0.1
Boscalid	0.01	0.03	ND	0.1
Chlorantraniliprole	0.01	0.04	ND	10
Diazinon	0.01	0.02	ND	0.1
Etoxazole	0.01	0.05	ND	0.1
Flonicamid	0.01	0.02	ND	0.1
Hexythiazox	0.01	0.03	ND	0.1
Kresoxim-methyl	0.01	0.03	ND	0.1
Metalaxyl	0.01	0.02	ND	2
Myclobutanil	0.02	0.07	ND	0.1
Oxamyl	0.01	0.02	ND	0.5
Phosmet	0.01	0.02	ND	0.1
Propiconazole	0.03	0.08	ND	0.1
Pyrethrin	0.05	0.41	ND	0.5
Spinosad A	0.01	0.05	ND	0.1
Spiromesifen	0.02	0.06	ND	0.1
Tebuconazole	0.01	0.02	ND	0.1
Trifloxystrobin	0.01	0.02	ND	0.1
Captan	0.01	0.02	ND	0.7
Cyfluthrin	0.04	0.1	ND	2
Spinetoram J,L	0.02	0.07	ND	0.1

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

PJLA Testing Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr, Lab Manager
Tue, 01 Mar 2025 12:39:13 -0700

PharmLabs San Diego Certificate of Analysis
3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-0000098-LIC
ISO/IEC 17025:2017 Acc. L17-427-1 #85368

SDPharmLabs

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

Sample ID **SD230727-037 (81757)**
Tested for **A8 Industries** Matrix **Concentrate (Inhalable Cannabis Good)**
Sampled **-**
Analyses executed **CANX, PES, HME, QARUSH** Received Mar **27, 2025** Reported Mar **01, 2025**
Unit Mass (g) **3.5**

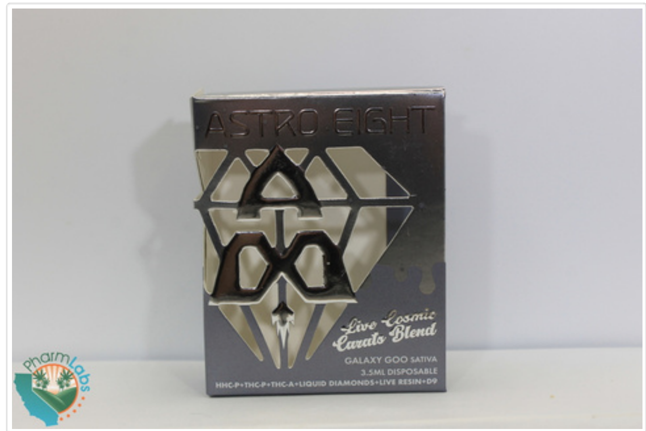
Laboratory note: The estimated concentration of the unknown peak in the sample is 21.33% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC. (+)d8-THC is a di-erent compound from the main (-)d8-THC cannabinoid and, therefore, these two compounds may have di-erent e/cacies. 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 and d9-THC with the majority, if not all, of the concentration being (+)d8-THC. Total (+/-) D8 Concentration is estimated to be: 57.31%

CANX - Cannabinoids Analysis

Analyzed Mar **01, 2025** | Instrument **HPLC-VWD** | Method **SOP-001** The expanded Uncertainty of the Cannabinoid analysis is approximately ±**7.806%** at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result 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	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-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	3.98	39.81	139.32
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
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 Mar **28, 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	0.00	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

PJLA Testing Acc. #85368

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
Tue, 01 Mar 2025 12:37:45 -0700

PES - Pesticides Analysis

Analyzed Mar **31, 2025** | Instrument **LC/MSMS GC/MSMS** | Method **SOP-003**

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078
Dimethoate	0.01	0.02	ND	0.01
Fenoxycarb	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01
Imazalil	0.02	0.07	ND	0.02
Spiroxamine	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01
Chlorfenapyr	0.03	0.1	ND	0.03
Mevinphos	0.03	0.08	ND	0.03
Acephate	0.02	0.05	ND	0.1
Azoxystrobin	0.01	0.02	ND	0.1
Bifenthrin	0.02	0.35	ND	3
Carbaryl	0.01	0.02	ND	0.5
Clofentezine	0.01	0.03	ND	0.1
Dimethomorph	0.02	0.06	ND	2
Fenpyroximate	0.02	0.1	ND	0.1
Fludioxonil	0.01	0.05	ND	0.1
Imidacloprid	0.01	0.05	ND	5
Malathion	0.01	0.05	ND	0.5
Methomyl	0.02	0.05	ND	1
Naled	0.01	0.02	ND	0.1
Permethrin	0.01	0.02	ND	0.5
Piperonyl Butoxide	0.02	0.06	ND	3
Prallethrin	0.02	0.05	ND	0.1
Pyridaben	0.02	0.07	ND	0.1
Spinosad D	0.01	0.05	ND	0.1
Spirotetramat	0.01	0.02	ND	0.1
Thiamethoxam	0.01	0.02	ND	5
Acequinocyl	0.02	0.09	ND	0.1
Cypermethrin	0.02	0.1	ND	1
Fenhexamid	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	ND	0.1

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Carbofuran	0.01	0.02	ND	0.01
Etofenprox	0.02	0.1	ND	0.02
Thiachloprid	0.01	0.02	ND	0.01
Dichlorvos	0.02	0.07	ND	0.02
Methiocarb	0.01	0.02	ND	0.01
Coumaphos	0.01	0.02	ND	0.01
Paclobutrazol	0.01	0.03	ND	0.01
Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Chlordane	0.04	0.1	ND	0.04
Methyl Parathion	0.02	0.1	ND	0.02
Abamectin	0.03	0.08	ND	0.1
Acetamiprid	0.01	0.05	ND	0.1
Bifenazate	0.01	0.05	ND	0.1
Boscalid	0.01	0.03	ND	0.1
Chlorantraniliprole	0.01	0.04	ND	10
Diazinon	0.01	0.02	ND	0.1
Etoxazole	0.01	0.05	ND	0.1
Flonicamid	0.01	0.02	ND	0.1
Hexythiazox	0.01	0.03	ND	0.1
Kresoxim-methyl	0.01	0.03	ND	0.1
Metalaxyl	0.01	0.02	ND	2
Myclobutanil	0.02	0.07	ND	0.1
Oxamyl	0.01	0.02	ND	0.5
Phosmet	0.01	0.02	ND	0.1
Propiconazole	0.03	0.08	ND	0.1
Pyrethrin	0.05	0.41	ND	0.5
Spinosad A	0.01	0.05	ND	0.1
Spiromesifen	0.02	0.06	ND	0.1
Tebuconazole	0.01	0.02	ND	0.1
Trifloxystrobin	0.01	0.02	ND	0.1
Captan	0.01	0.02	ND	0.7
Cyfluthrin	0.04	0.1	ND	2
Spinetoram J,L	0.02	0.07	ND	0.1

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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