

PharmLabs San Diego Certificate of Analysis



Sample Astro8 - THCP - 10CT - Purple Passion

Delta9 THC	0.07%	THCa	0.26%	Total THC (THCa * 0.877 + THC)	0.29%	Delta8 THC	ND
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Sample ID SD250424-078 (112594)

Tested for A8 Industries

Sampled =

Received Apr 24, 2025

Matrix Flower

Reported May 30, 2025

Unit Mass (g) 2.0

Laboratory note: COA Update: 5/30/25 - Sample name updated as per client request.

CANx - Cannabinoids

Analyzed Apr 25, 2025 | Instrument HPLC-VWD | Method SOP-001

The expanded Uncertainty of the Cannabinoids analysis is approximately $\pm 7.81\%$ at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/unit
11-Hydroxy- Δ^8 -Tetrahydrocannabinol (11-Hydro- Δ^8 -THCV)	0.015	0.041	ND	ND	ND
Cannabidiol (CBD)	0.006	0.02	ND	ND	ND
Abnormal Cannabidiol (a-CBD)	0.015	0.038	ND	ND	ND
(+/-)-9B-Hydroxy-Hexahydrocannabinol (9B-HHC)	0.005	0.045	ND	ND	ND
11-Hydroxy- Δ^8 -Tetrahydrocannabinol (11-Hydro- Δ^8 -THC)	0.005	0.045	ND	ND	ND
Cannabidiolic Acid (CBDA)	0.033	0.36	0.06	0.63	1.26
Cannabigerol Acid (CBGA)	0.033	0.36	ND	ND	ND
Cannabigerol (CBG)	0.048	0.36	1.40	14.03	28.06
Cannabidiol (CBD)	0.069	0.229	3.43	34.31	68.62
1(5)-Tetrahydrocannabinol (1(5)-H4-CBD)	0.006	0.026	ND	ND	ND
1(11)-Tetrahydrocannabinol (1(11)-H4-CBD)	0.006	0.049	ND	ND	ND
Tetrahydrocannabinol (THCV)	0.049	0.162	ND	ND	ND
Δ^8 -tetrahydrocannabinol (Δ^8 -THCV)	0.052	0.036	ND	ND	ND
Cannabidiol (CBDH)	0.054	0.042	ND	ND	ND
Tetrahydrocannabinol (Δ^9 -THC)	0.01	0.029	ND	ND	ND
Cannabinol (CBN)	0.047	0.36	ND	ND	ND
Cannabiphorol (CBDP)	0.096	0.049	ND	ND	ND
exo-THC (exo-THC)	0.096	0.8	ND	ND	ND
Tetrahydrocannabinol (Δ^9 -THC)	0.092	0.307	0.07	0.66	1.32
Δ^8 -tetrahydrocannabinol (Δ^8 -THC)	0.044	0.36	ND	ND	ND
(6aR,9S)- Δ^8 -Tetrahydrocannabinol ((6aR,9S)- Δ^8)	0.005	0.8	ND	ND	ND
Hexahydrocannabinol (S isomer) (9a-HHC)	0.007	0.8	2.06	20.61	41.22
(6aR,9R)- Δ^8 -Tetrahydrocannabinol ((6aR,9R)- Δ^8)	0.007	0.8	ND	ND	ND
Hexahydrocannabinol (R isomer) (9b-HHC)	0.096	0.8	6.02	60.15	120.30
Tetrahydrocannabinolic Acid (THCA)	0.017	0.389	0.26	2.57	5.14
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	0.02	0.061	ND	ND	ND
Cannabinol Acetate (CBNA)	0.009	0.027	ND	ND	ND
9(5)-Hexahydrocannabinolic Acid (9(5)-HHCA)	0.063	0.065	ND	ND	ND
9(11)-Hexahydrocannabinolic Acid (9(11)-HHCA)	0.391	0.196	ND	ND	ND
Δ^9 -Tetrahydrocannabinol (Δ^9 -THCP)	0.007	0.8	5.03	50.32	100.64
Δ^8 -Tetrahydrocannabinol (Δ^8 -THCP)	0.041	0.8	ND	ND	ND
Cannabitrin (CBT)	0.005	0.36	ND	ND	ND
Δ^8 -THC-O-acetate (Δ^8 -THCO)	0.076	0.8	ND	ND	ND
9(5)-HHCP (s-HHCP)	0.015	0.041	ND	ND	ND
Δ^9 -THC-O-acetate (Δ^9 -THCO)	0.066	0.8	ND	ND	ND
9(11)-HHCP (r-HHCP)	0.005	0.045	ND	ND	ND
9(5)-HHC-O-acetate (s-HHCO)	0.037	0.012	ND	ND	ND
9(11)-HHC-O-acetate (r-HHCO)	0.031	0.093	ND	ND	ND
3-acetyl- Δ^8 -Tetrahydrocannabinol (Δ^8 -THC-C8)	0.021	0.062	ND	ND	ND
Total THC (THC = 0.877 + Δ^9 THC)			0.29	2.91	5.83
Total THC + Δ^8 THC + Δ^10 THC (THC = 0.877 + Δ^9 THC + Δ^8 THC + Δ^10 THC)			0.29	2.91	5.83
Total CBD (CBDA = 0.877 + CBD)			3.49	34.86	69.73
Total CBG (CBGA = 0.877 + CBG)			1.40	14.03	28.06
Total HHC (9a-HHC + 9b-HHC)			8.08	80.76	161.52
Total Cannabinoids Analyzed			18.29	182.89	365.77

*Dry weight %

HME - Heavy Metals

Analyzed Apr 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	ND	0.2
Cadmium (Cd)	0.0005	0.0015	0.00	0.2
Mercury (Hg)	0.0058	0.0174	ND	0.2
Lead (Pb)	0.0006	0.0018	0.00	0.2

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
 THTC Too Numerous to Count



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Authorized Signature

Branden Stark

Brandon Starr, Quality Assurance Manager
Fri, 30 May 2008 19:58:44 -0700

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Analyzed Apr 28, 2025 | Instrument qPCR and/or Plating | Method SOP-007

Analyzed Apr 29, 2025 | Instrument LC/MSMS | Method SOP-004

PES - Pesticides

Analyzed May 01, 2025 | Instrument LC/MS/MS GC/MS/MS | 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	0.02	Carbofuran	0.01	0.02	ND	0.02
Dimethoate	0.01	0.02	ND	0.02	Etofenprox	0.02	0.1	ND	0.1
Permethrin	0.01	0.02	ND	0.02	Thiodiazinon	0.01	0.02	ND	0.02
Daminozide	0.01	0.05	ND	0.05	Dichlorvos	0.02	0.07	ND	0.07
Imazalil	0.02	0.07	ND	0.07	Methidathion	0.01	0.02	ND	0.02
Spiraxamine	0.01	0.02	ND	0.02	Coumaphos	0.01	0.02	ND	0.02
Fipronil	0.01	0.1	ND	0.1	Pachlobutrazol	0.01	0.05	ND	0.05
Chlorpyrifos	0.01	0.04	ND	0.04	Ethionophos (Prophos)	0.01	0.02	ND	0.02
Bacgon (Propoxur)	0.01	0.02	ND	0.02	Chloridone	0.04	0.1	ND	0.1
Chlorfenvapir	0.05	0.1	ND	0.1	Methyl Parathion	0.02	0.1	ND	0.1
Hevinphos	0.05	0.08	ND	0.08	Abamectin	0.05	0.08	ND	0.08
Acetophate	0.02	0.05	ND	0.05	Acetamiprid	0.01	0.05	ND	0.05
Azoxystrobin	0.01	0.02	ND	0.02	Bifenazate	0.01	0.05	ND	0.05
Bifenthrin	0.02	0.35	ND	0.1	Boscalid	0.01	0.05	ND	0.05
Carbaryl	0.01	0.02	ND	0.02	Chlorantraniliprole	0.01	0.04	ND	0.04
Clofentazene	0.01	0.05	ND	0.05	Diazinon	0.01	0.02	ND	0.02
Dimethomorph	0.02	0.06	ND	0.06	Etoazote	0.01	0.05	ND	0.05
Perpyrosumate	0.02	0.1	ND	0.1	Pionamid	0.01	0.02	ND	0.02
Flydowril	0.01	0.05	ND	0.05	Hexythiazox	0.01	0.05	ND	0.05
Imidacloprid	0.01	0.05	ND	0.05	Kresoxim-methyl	0.01	0.05	ND	0.05
Malathion	0.01	0.05	ND	0.05	Metolaxyl	0.01	0.02	ND	0.02
Methomyl	0.02	0.05	ND	0.05	Myclobutanil	0.02	0.07	ND	0.07
Naled	0.01	0.02	ND	0.02	Oxamyl	0.01	0.02	ND	0.02
Permethrin	0.01	0.02	ND	0.02	Phosmet	0.01	0.02	ND	0.02
Piperonyl Butoxide	0.02	0.06	ND	0.06	Propiconazole	0.05	0.08	ND	0.08
Prothidrin	0.02	0.05	ND	0.05	Pyrethrin	0.05	0.41	ND	0.1
Pyridaben	0.02	0.07	ND	0.07	Spinosad A	0.01	0.05	ND	0.05
Spinosad D	0.01	0.05	ND	0.05	Spiromesifen	0.02	0.06	ND	0.06
Spirotetramat	0.01	0.02	ND	0.02	Tebuconazole	0.01	0.02	ND	0.02
Thiamethoxam	0.01	0.02	ND	0.02	Trifluogastrolin	0.01	0.02	ND	0.02
Acetquinocyl	0.02	0.09	ND	0.09	Captan	0.01	0.02	ND	0.02
Cypermethrin	0.02	0.1	ND	0.1	Cyfluthrin	0.04	0.1	ND	0.1
Perhexamid	0.02	0.07	ND	0.07	Spinetoram J/L	0.02	0.07	ND	0.07
Pentachloronitrobenzene	0.01	0.1	ND	0.1					

RES - Residual Solvents

Analyzed Apr 29, 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	71.9	N/A	Butane (But)	0.02	0.4	57.8	800
Methanol (Meth)	1.176	3.92	1546.1	N/A	Ethylene Oxide (EthOx)	0.08	0.4	ND	N/A
Pentane (Pen)	0.024	0.4	ND	N/A	Ethanol (Eth)	0.048	0.4	<LOQ	5000
Ethyl Ether (EthEt)	0.036	0.4	ND	N/A	Acetone (Acet)	0.044	0.4	69.8	N/A
Isopropanol (2-Pro)	1.16	3.888	<LOQ	N/A	Acetonitrile (Acetonit)	0.888	2.952	<LOQ	N/A
Methylene Chloride (MetCl)	0.04	0.4	ND	N/A	Hexane (Hex)	0.012	0.4	ND	100
Ethyl Acetate (EthAc)	0.032	0.4	ND	N/A	Chloroform (Clo)	0.028	0.4	ND	N/A
Benzene (Ben)	0.012	0.4	ND	N/A	1,2-Dichloroethane (1,2-Dich)	0.024	0.4	ND	N/A
Heptane (Hept)	0.012	0.4	ND	500	Trichloroethylene (TriClEth)	0.072	0.4	ND	N/A
Toluene	0.036	0.4	ND	N/A	Xylenes (Xyl)	0.012	0.4	ND	N/A

FVI - Filth & Foreign Material Inspection

Analyzed Apr 24, 2025 | Instrument Microscope | Method SOP-010

Analyte / Limit	Result	Analyte / Limit	Result
> 1/4 of the total sample area covered by sand, soil, clinders, 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 Apr 25, 2025 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	LOD %	LOQ %	Result	Limit	Analyte	LOD %	LOQ %	Result	Limit
Moisture (H ₂ O)	0.0	0.0	5.9 % Mw	% Mw	Water Activity (WA)	0.03	0.03	0.42 a _w	a _w

MICx - Microbial X

Analyzed Apr 28, 2025 | Instrument Plating | Method SOP-007

Analyte	LOD CFU/G	LOQ CFU/G	Result CFU/G	Limit CFU/G
Total Yeast & Molds (TYM)	1.0	1.0	ND	10000
Listeria (LIS)	1.0	1.0	ND	N/A
Gram Negative Bacteria (BTGN)	1.0	1.0	ND	1000
Total Viable Aerobic Bacteria (TVAB)	1.0	1.0	ND	100000

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



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Authorized Signature

Brandon Stahl

Brandon Stahl, Quality Assurance Manager
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