

PharmLabs San Diego Certificate of Analysis

Sample Astro8 - THCP - 10CT - Velvet Thunder



Delta9 THC 0.08%	THCa 0.25%	Total THC (THCa * 0.877 + THC) 0.29%	Delta8 THC ND
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Sample ID: SD250508-077 (03577)

Matrix: Flower

Tested for: All Industries

Received: May 08, 2025

Reported: May 30, 2025

Analyses executed: HPLC, PP-1020

Laboratory note: COA Update 1/30/25 - Sample name updated as per client request.

CANx - Cannabinoids

Analysed May 09, 2025 | Instrument HPLC-VWD | Method SOP-001

The expanded Uncertainty of the Cannabinoids analysis is approximately ±7.8% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
TH-Hydroxy-Δ ⁸ -Tetrahydrocannabinol (TH-Hyd-Δ ⁸ -THCV)	0.005	0.041	ND	ND
Cannabinoids (CBDO)	0.006	0.02	ND	ND
Abnormal Cannabinoids (a-CBDO)	0.005	0.058	ND	ND
(+/-)-9S-Hydroxy-Hexahydrocannabinol (9S-HHC)	0.005	0.045	ND	ND
TH-Hydroxy-Δ ⁸ -Tetrahydrocannabinol (TH-Hyd-Δ ⁸ -THC)	0.005	0.045	ND	ND
Cannabinolic Acid (CBDA)	0.053	0.36	0.07	0.66
Cannabigerol Acid (CBGA)	0.053	0.36	ND	ND
Cannabigerol (CBG)	0.048	0.36	2.71	27.14
Cannabinol (CBN)	0.069	0.229	0.90	9.04
1(5)-Tetrahydrocannabinol (1(5)-TH-CBD)	0.006	0.026	ND	ND
1(6)-Tetrahydrocannabinol (1(6)-TH-CBD)	0.006	0.049	ND	ND
Tetrahydrocannabinol (THCV)	0.049	0.362	ND	ND
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THCV)	0.002	0.056	ND	ND
Cannabithiol (CBTH)	0.004	0.042	ND	ND
Tetrahydrocannabinol (Δ ⁹ -THCB)	0.01	0.029	ND	ND
Cannabinol (CBN)	0.047	0.36	1.60	15.96
Cannabiphorol (CBDP)	0.006	0.049	ND	ND
iso-THC (iso-THC)	0.006	0.8	ND	ND
Tetrahydrocannabinol (Δ ⁸ -THC)	0.002	0.507	0.08	0.85
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC)	0.044	0.36	ND	ND
(6aR,9S)-Δ ⁸ -Tetrahydrocannabinol ((6aR,9S)-Δ ⁸)	0.005	0.8	ND	ND
Hexahydrocannabinol (3 isomer) (9S-HHC)	0.007	0.8	2.89	28.87
(6aR,9S)-Δ ⁸ -Tetrahydrocannabinol ((6aR,9S)-Δ ⁸)	0.007	0.8	ND	ND
Hexahydrocannabinol (6 isomer) (9R-HHC)	0.006	0.8	8.29	82.95
Tetrahydrocannabinolic Acid (THCA)	0.007	0.589	0.25	2.30
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THCA)	0.02	0.061	ND	ND
Cannabinol Acetate (CBNA)	0.009	0.027	ND	ND
9(10)-Hexahydrocannabinolic Acid (9(10)-HHCa)	0.063	0.065	ND	ND
9(10)-Hexahydrocannabinolic Acid (9(10)-HHCb)	0.001	0.096	ND	ND
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THCP)	0.007	0.8	3.82	38.16
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THCP)	0.041	0.8	ND	ND
Cannabiterpen (CBT)	0.005	0.36	ND	ND
Δ ⁸ -THC-O-acetate (Δ ⁸ -THCO)	0.076	0.8	ND	ND
9(10)-HHCp (9-HHCp)	0.005	0.041	ND	ND
Δ ⁸ -THC-O-acetate (Δ ⁸ -THCO)	0.066	0.8	ND	ND
9(10)-HHCp (9-HHCp)	0.005	0.045	ND	ND
9(10)-HHC-O-acetate (9-HHCa)	0.057	0.012	ND	ND
9(10)-HHC-O-acetate (9-HHCb)	0.031	0.095	ND	ND
5-octyl-Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC-C8)	0.021	0.062	ND	ND
Total THC (THCa * 0.877 + Δ ⁹ THC)			0.29	2.87
Total THC + Δ ⁸ THC (THCa * 0.877 + Δ ⁸ THC + Δ ⁹ THC + Δ ⁸ THC)			0.29	2.87
Total CBD (CBDa * 0.877 + CBD)			0.96	9.62
Total CBG (CBGa * 0.877 + CBG)			2.71	27.14
Total HHC (9S-HHC + 9R-HHC)			11.98	118.80
Total Cannabinoids Analyzed			20.55	205.55

*Dry Weight %

HME - Heavy Metals

Analysed May 30, 2025 | Instrument ICP/MS/MS | Method SOP-005

Analyte	LOD μg/g	LOQ μg/g	Result μg/g	Limit μg/g
Arsenic (As)	0.0009	0.0027	0.01	0.2
Cadmium (Cd)	0.0005	0.0015	0.00	0.2
Mercury (Hg)	0.0058	0.0174	0.00	0.2
Lead (Pb)	0.0006	0.0018	0.01	0.2

10 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
 CPU/CPU Coling Forming Units per 1 gram
 TMTX Test Numerical Count



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 ISO/IEC 17025:2017 Acc. 85368



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Authorized Signature

Brandon Stahl

Brandon Stahl, Quality Assurance Manager
 PLS, 30 May 2025 09:28:38 -0700

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Analyzed May 19, 2025 | Instrument LC/MSMS GC/MSMS | Method SOP-001

Analite	LOD µg/g	LOQ µg/g	Result µg/g	Limit µg/g	Analite	LOD µg/g	LOQ µg/g	Result µg/g	Limit µg/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
Spiromesifen	0.01	0.02	ND	0.02	Coumaphos	0.01	0.02	ND	0.02
Fipronil	0.01	0.1	ND	0.1	Packlobutrazol	0.01	0.05	ND	0.05
Chlorpyrifos	0.01	0.04	ND	0.04	Ethionphos (Prophos)	0.01	0.02	ND	0.02
Bugan (Propoxur)	0.01	0.02	ND	0.02	Chlordane	0.04	0.1	ND	0.1
Chlorfenvinphos	0.05	0.1	ND	0.1	Methyl Parathion	0.02	0.1	ND	0.1
Hexachlorocyclopentadienyl	0.05	0.08	ND	0.08	Abamectin	0.05	0.08	ND	0.08
Acetophos	0.02	0.05	ND	0.05	Acetamiprid	0.01	0.05	ND	0.05
Azoxystrobin	0.01	0.02	ND	0.02	Bifenoxate	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
Ciflutrin	0.01	0.05	ND	0.05	Diazinon	0.01	0.02	ND	0.02
Dimethomorph	0.02	0.06	ND	0.06	Etofenprox	0.01	0.05	ND	0.05
Permethrin	0.02	0.1	ND	0.1	Flonicamid	0.01	0.02	ND	0.02
Fenprophate	0.01	0.05	ND	0.05	Hexachlorocyclopentadienyl	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	Metolachl	0.01	0.02	ND	0.02
Metolachl	0.02	0.05	ND	0.05	Hydrobutyl	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
Prothion	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	Trifluorotoluidine	0.01	0.02	ND	0.02
Acetamiprid	0.02	0.09	ND	0.09	Capton	0.01	0.02	ND	0.02
Cypermethrin	0.02	0.1	ND	0.1	Cyfluthrin	0.04	0.1	ND	0.1
Permethrin	0.02	0.07	ND	0.07	Spinetoram J.L.	0.02	0.07	ND	0.07
Permethrin/Phenothiazine	0.01	0.1	ND	0.1					

Analyzed May 14, 2025 | Instrument GC/MS with Headspace Analyzer | Method SOP-004

Analyte	LOQ ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOQ ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.044	0.4	74.6	N/A	Butane (But)	0.02	0.4	57.5	800
Methanol (Methd)	1.175	3.92	1125.7	N/A	Ethylene Oxide (EthOx)	0.08	0.4	ND	N/A
Pentane (Pen)	0.024	0.4	ND	N/A	Ethanol (Ethanol)	0.048	0.4	<LOQ	5000
Ethyl Ether (EthEt)	0.036	0.4	ND	N/A	Acetone (Acet)	0.044	0.4	150.5	N/A
Isopropanol (2-Pro)	1.16	3.668	<LOQ	N/A	Acetonitrile (Acetonitr)	0.888	2.952	<LOQ	N/A
Methylene Chloride (MetCl)	0.04	0.4	ND	N/A	Hexane (Hex)	0.052	0.4	ND	300
Ethyl Acetate (EthAc)	0.032	0.4	ND	N/A	Chloroform (Chl)	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 (TriCEth)	0.072	0.4	ND	N/A
Toluene	0.026	0.4	<LOQ	N/A	Xylenes (Xyl)	0.052	0.4	ND	N/A

Analysed May 09, 2025 | Instrument Microscope | Method SOP-005

Analyte / Limit	Result	Analyte / Limit	Result
> 1/4 of the total sample area covered by sand, soil, clinders, or dirt	NO	> 1/4 of the total sample area covered by mold	NO
> 1 insect fragment, 1 hair, or 1 count mammalian excreta per sq.	NO	> 1/4 of the total sample area covered by or imbedded foreign material	NO

Analyzed May 09, 2025 | Instrument Cooled-mirror Dewpoint and Capacitance | Method SOP-006

Analyte	LOD %	LOQ %	Result	Limit	Analyte	LOD %	LOQ %	Result	Limit
Moisture (H ₂ O)	0.0	0.0	71 % H ₂ O	% H ₂ O	Water Activity (a _w)	0.05	0.05	0.95 a _w	a _w

Analysed May 15, 2025 | Instrument Plotting | 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 (ETGH)	1.0	1.0	ND	1000
Total Viable Aerobic Bacteria (TVAB)	1.0	1.0	ND	100000



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The report also includes a list of 100 of the most important people in the world. It was a landmark report that was the first to be published in the world's most widely read newspaper.