

PharmLabs San Diego Certificate of Analysis

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



Sample **THCA D8 Moonrocks GMO + Bubblegum Gas 4g, 1lb**

Sample ID SD231006-018 (85852)	Matrix Flower (Inhalable Cannabis Good)	Batch ID F-TDGB-1642
Tested for HHemp.co		
Sampled -	Received Oct 05, 2023	Reported Oct 09, 2023
Analyses executed CAN+, MWA		

Laboratory note: The estimated concentration of the unknown peak in this sample is 0.11%. Currently, PharmLabs laboratory can not confirm the unidentified peak in your chromatogram due to an interference (only with concentrated d8 products) from which we believe to be an isomer of d8-THC or d9-THC.

\* CAN+ - Cannabinoids Analysis

Analyzed Oct 09, 2023 | Instrument HPLC-VWD | Method SOP-001  
 The expanded Uncertainty of the Cannabinoid analysis is approximately  $\pm 8.06\%$  at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBD)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	14.07	140.66
Cannabigerol (CBG)	0.001	0.16	0.97	9.66
Cannabidiol (CBD)	0.001	0.16	<LOQ	<LOQ
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	0.19	1.88
Tetrahydrocannabinol ( $\Delta^9$ -THC)	0.003	0.16	UI	UI
$\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ -THC)	0.004	0.16	5.94	59.40
Cannabicyclol (CBL)	0.002	0.16	ND	ND
Cannabichromene (CBC)	0.002	0.16	0.24	2.36
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	4.55	45.52
Total THC (THCa * 0.877 + $\Delta^9$ THC)			3.99	39.92
Total THC + $\Delta^8$ THC (THCa * 0.877 + $\Delta^9$ THC + $\Delta^8$ THC)			9.93	99.32
Total CBD (CBDA * 0.877 + CBD)			ND	ND
Total CBG (CBGA * 0.877 + CBG)			13.30	133.02
Total Cannabinoids			23.66	236.58

\*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Oct 06, 2023 | 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	8.8 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.60 $a_w$	0.85 $a_w$

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  
 Mon, 09 Oct 2023 11:01:41 -0700

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Sample THCA HHC Moonrocks Blueberry Kush + Runtz 4g, 1lb

Sample ID SD231006-020 (85867)	Matrix Flower (Inhalable Cannabis Good)	Batch ID F-THBR-1641
Tested for HHemp.co		
Sampled -	Received Oct 05, 2023	Reported Oct 09, 2023
Analyses executed CANX, MWA		

CANX - Cannabinoids Analysis

Analyzed Oct 09, 2023 | Instrument HPLC-VWD | Method SOP-001  
The expanded Uncertainty of the Cannabinoid analysis is approximately 7.81% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND
Cannabidiol (CBD)	0.002	0.007	ND	ND
Abnormal Cannabidiol (a-CBD)	0.01	0.031	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)	0.012	0.036	ND	ND
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	16.70	167.01
Cannabigerol (CBG)	0.001	0.16	1.26	12.56
Cannabidiol (CBD)	0.001	0.16	ND	ND
1(S)-THD (s-THD)	0.013	0.041	ND	ND
1(R)-THD (r-THD)	0.025	0.075	ND	ND
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND
Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	ND	ND
Cannabidihexol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND
Cannabinol (CBN)	0.001	0.16	0.05	0.53
Cannabiphorol (CBDP)	0.015	0.047	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.07	0.73
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	ND	ND
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	0.93	9.28
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	1.90	19.00
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	2.78	27.82
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	ND	ND
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	ND	ND
Cannabicitran (CBT)	0.005	0.16	ND	ND
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND
Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.16	ND	ND
9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND
9(R)-HHC-O-acetate (r-HHCO)	0.008	0.025	ND	ND
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.067	0.204	ND	ND
Total THC (THCa * 0.877 + Δ9THC)			2.51	25.13
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			2.51	25.13
Total CBD (CBDA * 0.877 + CBD)			ND	ND
Total CBG (CBGA * 0.877 + CBG)			15.90	159.03
Total HHC (9r-HHC + 9s-HHC)			2.83	28.28
Total Cannabinoids			21.30	212.97

\*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Oct 06, 2023 | 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	7.8 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.55 a <sub>w</sub>	0.85 a <sub>w</sub>

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



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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
Mon, 09 Oct 2023 13:36:55 -0700

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Sample **THCA D8 Moonrocks Cherry Kush + Lemon Jack 4g. 1lb**

Sample ID SD231006-019 (85853)	Matrix Flower (Inhalable Cannabis Good)	Batch ID F-TDCLJ-1643
Tested for HHemp.co		
Sampled -	Received Oct 05, 2023	Reported Oct 09, 2023
Analyses executed CAN+, MWA		

Laboratory note: The estimated concentration of the unknown peak in this sample is 0.15%. Currently, PharmLabs laboratory can not confirm the unidentified peak in your chromatogram due to an interference (only with concentrated d8 products) from which we believe to be an isomer of d8-THC or d9-THC.

\* CAN+ - Cannabinoids Analysis

Analyzed Oct 09, 2023 | Instrument HPLC-VWD | Method SOP-001  
The expanded Uncertainty of the Cannabinoid analysis is approximately  $\pm 8.06\%$  at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBD)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	13.83	138.27
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	0.08	0.77
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	0.22	2.17
Tetrahydrocannabinol ( $\Delta^9$ -THC)	0.003	0.16	UI	UI
$\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ -THC)	0.004	0.16	4.62	46.25
Cannabicyclol (CBL)	0.002	0.16	ND	ND
Cannabichromene (CBC)	0.002	0.16	0.24	2.41
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	5.20	52.05
Total THC (THCa * 0.877 + $\Delta^9$ THC)			4.56	45.65
Total THC + $\Delta^8$ THC (THCa * 0.877 + $\Delta^9$ THC + $\Delta^8$ THC)			9.19	91.90
Total CBD (CBDA * 0.877 + CBD)			0.08	0.77
Total CBG (CBGA * 0.877 + CBG)			12.13	121.26
Total Cannabinoids			21.85	218.51

\*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Oct 06, 2023 | 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	9.2 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.62 $a_w$	0.85 $a_w$

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



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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
Mon, 09 Oct 2023 11:01:42 -0700

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Sample THCA HHC Moonrocks Gorilla Glue + Diablo OG 4g, 1lb

Sample ID SD231006-021 (85881)	Matrix Flower (Inhalable Cannabis Good)	Batch ID F-THGD01640
Tested for HHemp.co		
Sampled -	Received Oct 05, 2023	Reported Oct 09, 2023
Analyses executed CANX, MWA		

CANX - Cannabinoids Analysis

Analyzed Oct 09, 2023 | Instrument HPLC-VWD | Method SOP-001  
The expanded Uncertainty of the Cannabinoid analysis is approximately 7.81% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND
Cannabidiol (CBD)	0.002	0.007	ND	ND
Abnormal Cannabidiol (a-CBD)	0.01	0.031	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)	0.012	0.036	ND	ND
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	0.04	0.43
Cannabigerol Acid (CBGA)	0.001	0.16	17.59	175.87
Cannabigerol (CBG)	0.001	0.16	1.05	10.54
Cannabidiol (CBD)	0.001	0.16	ND	ND
1(S)-THD (s-THD)	0.013	0.041	ND	ND
1(R)-THD (r-THD)	0.025	0.075	ND	ND
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND
Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	ND	ND
Cannabidihexol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND
Cannabinol (CBN)	0.001	0.16	0.26	2.60
Cannabiphorol (CBDP)	0.015	0.047	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.15	1.53
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	ND	ND
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	2.30	22.99
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	3.84	38.36
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	5.09	50.92
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	ND	ND
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	ND	ND
Cannabicitran (CBT)	0.005	0.16	ND	ND
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND
Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.16	ND	ND
9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND
9(R)-HHC-O-acetate (r-HHCO)	0.008	0.025	ND	ND
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.067	0.204	ND	ND
Total THC (THCa * 0.877 + Δ9THC)			4.62	46.19
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			4.62	46.19
Total CBD (CBDA * 0.877 + CBD)			0.04	0.38
Total CBG (CBGA * 0.877 + CBG)			16.48	164.78
Total HHC (9r-HHC + 9s-HHC)			6.14	61.35
Total Cannabinoids			27.53	275.29

\*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Oct 06, 2023 | 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	8.4 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.58 a <sub>w</sub>	0.85 a <sub>w</sub>

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



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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
Mon, 09 Oct 2023 13:36:57 -0700

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