

PharmLabs San Diego Certificate of Analysis



Sample Apple Pre Roll THCa, THCP, D8

Delta9 THC UI	THCa 4.10%	Total THC (THCa * 0.877 + THC) 3.60%	Delta8 THC 11.35%
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Sample ID SD231110-045 (84272)	Matrix Flower (Inhalable Cannabis Good)
Tested for Pops Premium Hemp	
Sampled -	Received Nov 10, 2023
Analyses executed CANX, MWA	Reported Nov 13, 2023

Laboratory note: The estimated concentration of the unknown peak in this sample is 1.59%. 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. The UI peak totals will not be included in the cannabinoid totals at the bottom of the potency section.

CANx - Cannabinoids Analysis

Analyzed Nov 13, 2023 | Instrument HPLC-VWD | Method SOP-001  
 The expanded Uncertainty of the Cannabinoid analysis is approximately ±.81% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND
Cannabidiol (CBD)	0.002	0.007	ND	ND
Abnormal Cannabidiol (a-CBDO)	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	11.94	119.35
Cannabigerol Acid (CBGA)	0.001	0.16	0.43	4.32
Cannabigerol (CBG)	0.001	0.16	0.10	1.00
Cannabidiol (CBD)	0.001	0.16	2.52	25.25
1(S)-Tetrahydrocannabinol (1(S)-H4-CBD)	0.013	0.041	ND	ND
1(R)-Tetrahydrocannabinol (1(R)-H4-CBD)	0.025	0.075	ND	ND
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THCV)	0.021	0.064	ND	ND
Cannabidiol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THCB)	0.013	0.038	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Cannabidiophorol (CBDP)	0.015	0.047	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	11.35	113.50
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.126	0.42	ND	ND
Hexahydrocannabinol (S isomer) (9s-HHC)	0.017	0.16	ND	ND
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.118	0.39	ND	ND
Hexahydrocannabinol (R isomer) (9r-HHC)	0.016	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	4.10	41.00
Δ9-Tetrahydrocannabinol (Δ9-THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THCP)	0.017	0.16	4.38	43.75
Δ8-Tetrahydrocannabinol (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
<b>Total THC ( THCa * 0.877 + Δ9THC )</b>			<b>3.60</b>	<b>35.96</b>
<b>Total THC + Δ8THC + Δ10THC ( THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC )</b>			<b>14.95</b>	<b>149.46</b>
<b>Total CBD ( CBDA * 0.877 + CBD )</b>			<b>12.99</b>	<b>129.92</b>
<b>Total CBG ( CBGA * 0.877 + CBG )</b>			<b>0.48</b>	<b>4.79</b>
<b>Total HHC ( 9r-HHC + 9s-HHC )</b>			<b>ND</b>	<b>ND</b>
<b>Total Cannabinoids Analyzed</b>			<b>32.79</b>	<b>327.92</b>



\*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Nov 10, 2023 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	LOD %	LOQ %	Result	Limit	Analyte	LOD %	LOQ %	Result	Limit
Moisture (Mo)	0.0	0.0	7.5 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.53 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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 DEA license: RP0611043  
 ISO/IEC 17025:2017 Acc. L17-427-1



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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Mon, 13 Nov 2023 11:04:16 -0800

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PharmLabs San Diego Certificate of Analysis



Sample Peach Pre Roll THCa, THCP, D8

Delta9 THC UI	THCa 4.41%	Total THC (THCa * 0.877 + THC) 3.87%	Delta8 THC 9.49%
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Sample ID SD231114-013 (87311)	Matrix Flower (Inhalable Cannabis Good)
Tested for Pops Premium Hemp	
Sampled -	Received Nov 13, 2023
Analyses executed CANX, MWA	Reported Nov 14, 2023

Laboratory note: The estimated concentration of the unknown peak in this sample is 1.33%. 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. The UI peak totals will not be included in the cannabinoid totals at the bottom of the potency section.

CANx - Cannabinoids Analysis

Analyzed Nov 14, 2023 | Instrument HPLC-VWD | Method SOP-001  
The expanded Uncertainty of the Cannabinoid analysis is approximately  $\pm 8.1\%$  at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
11-Hydroxy- $\Delta$ 8-Tetrahydrocannabinol (11-Hyd- $\Delta$ 8-THCV)	0.013	0.041	ND	ND
Cannabidiol (CBDO)	0.002	0.007	ND	ND
Abnormal Cannabidiol (a-CBDO)	0.01	0.031	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)	0.012	0.036	ND	ND
11-Hydroxy- $\Delta$ 8-Tetrahydrocannabinol (11-Hyd- $\Delta$ 8-THC)	0.007	0.021	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	12.15	121.53
Cannabigerol Acid (CBGA)	0.001	0.16	0.44	4.43
Cannabigerol (CBG)	0.001	0.16	0.10	1.01
Cannabidiol (CBD)	0.001	0.16	2.40	24.00
$\Delta$ 9-Tetrahydrocannabinol (THC)	0.013	0.041	ND	ND
$\Delta$ 8-Tetrahydrocannabinol (THC)	0.025	0.075	ND	ND
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
$\Delta$ 8-tetrahydrocannabinol ( $\Delta$ 8-THCV)	0.021	0.064	ND	ND
Cannabidiol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabinol ( $\Delta$ 9-THCB)	0.013	0.038	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Cannabidiophorol (CBDP)	0.015	0.047	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND
Tetrahydrocannabinol ( $\Delta$ 9-THC)	0.003	0.16	UI	UI
$\Delta$ 8-tetrahydrocannabinol ( $\Delta$ 8-THC)	0.004	0.16	9.49	94.89
(6aR,9S)- $\Delta$ 10-Tetrahydrocannabinol ((6aR,9S)- $\Delta$ 10)	0.126	0.42	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND
(6aR,9R)- $\Delta$ 10-Tetrahydrocannabinol ((6aR,9R)- $\Delta$ 10)	0.118	0.39	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	4.41	44.09
$\Delta$ 9-Tetrahydrocannabinol ( $\Delta$ 9-THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND
$\Delta$ 9-Tetrahydrocannabinol ( $\Delta$ 9-THCP)	0.017	0.16	3.63	36.30
$\Delta$ 8-Tetrahydrocannabinol ( $\Delta$ 8-THCP)	0.041	0.16	ND	ND
Cannabicitran (CBT)	0.005	0.16	ND	ND
$\Delta$ 8-THC-O-acetate ( $\Delta$ 8-THCO)	0.076	0.16	ND	ND
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND
$\Delta$ 9-THC-O-acetate ( $\Delta$ 9-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- $\Delta$ 8-Tetrahydrocannabinol ( $\Delta$ 8-THC-C8)	0.067	0.204	ND	ND
<b>Total THC ( THCa * 0.877 + <math>\Delta</math>9THC )</b>			<b>3.87</b>	<b>38.67</b>
<b>Total THC + <math>\Delta</math>8THC + <math>\Delta</math>10THC ( THCa * 0.877 + <math>\Delta</math>9THC + <math>\Delta</math>8THC + <math>\Delta</math>10THC )</b>			<b>13.36</b>	<b>133.56</b>
<b>Total CBD ( CBDA * 0.877 + CBD )</b>			<b>13.06</b>	<b>130.58</b>
<b>Total CBG ( CBGA * 0.877 + CBG )</b>			<b>0.49</b>	<b>4.90</b>
<b>Total HHC ( 9r-HHC + 9s-HHC )</b>			<b>ND</b>	<b>ND</b>
<b>Total Cannabinoids Analyzed</b>			<b>30.53</b>	<b>305.33</b>

\*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Nov 13, 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	7.5 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.53 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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DEA license: RP0611043  
ISO/IEC 17025:2017 Acc. L17-427-1



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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
Tue, 14 Nov 2023 12:10:40 -0800

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PharmLabs San Diego Certificate of Analysis



Sample Grape Pre Roll THCa, THCP, D8

Delta9 THC UI	THCa 4.62%	Total THC (THCa * 0.877 + THC) 4.05%	Delta8 THC 8.54%
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Sample ID SD231114-014 (87312)	Matrix Flower (Inhalable Cannabis Good)
Tested for Pops Premium Hemp	
Sampled -	Received Nov 13, 2023
Analyses executed CANX, MWA	Reported Nov 14, 2023

Laboratory note: The estimated concentration of the unknown peak in this sample is 1.21%. 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. The UI peak totals will not be included in the cannabinoid totals at the bottom of the potency section.

CANx - Cannabinoids Analysis

Analyzed Nov 14, 2023 | Instrument HPLC-VWD | Method SOP-001  
The expanded Uncertainty of the Cannabinoid analysis is approximately  $\pm 8.1\%$  at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
11-Hydroxy- $\Delta$ 8-Tetrahydrocannabinol (11-Hyd- $\Delta$ 8-THCV)	0.013	0.041	ND	ND
Cannabidiol (CBDO)	0.002	0.007	ND	ND
Abnormal Cannabidiol (a-CBDO)	0.01	0.031	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)	0.012	0.036	ND	ND
11-Hydroxy- $\Delta$ 8-Tetrahydrocannabinol (11-Hyd- $\Delta$ 8-THC)	0.007	0.021	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	11.80	118.00
Cannabigerol Acid (CBGA)	0.001	0.16	0.42	4.24
Cannabigerol (CBG)	0.001	0.16	0.09	0.93
Cannabidiol (CBD)	0.001	0.16	2.31	23.07
$\Delta$ (S)-Tetrahydrocannabinol ( $\Delta$ (S)-H4-CBD)	0.013	0.041	ND	ND
$\Delta$ (R)-Tetrahydrocannabinol ( $\Delta$ (R)-H4-CBD)	0.025	0.075	ND	ND
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
$\Delta$ 8-tetrahydrocannabinol ( $\Delta$ 8-THCV)	0.021	0.064	ND	ND
Cannabidiol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabinol ( $\Delta$ 9-THCB)	0.013	0.038	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Cannabidiophorol (CBDP)	0.015	0.047	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND
Tetrahydrocannabinol ( $\Delta$ 9-THC)	0.003	0.16	UI	UI
$\Delta$ 8-tetrahydrocannabinol ( $\Delta$ 8-THC)	0.004	0.16	8.54	85.45
(6aR,9S)- $\Delta$ 10-Tetrahydrocannabinol ((6aR,9S)- $\Delta$ 10)	0.126	0.42	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND
(6aR,9R)- $\Delta$ 10-Tetrahydrocannabinol ((6aR,9R)- $\Delta$ 10)	0.118	0.39	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	4.62	46.23
$\Delta$ 9-Tetrahydrocannabinol ( $\Delta$ 9-THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND
$\Delta$ 9-Tetrahydrocannabinol ( $\Delta$ 9-THCP)	0.017	0.16	3.30	32.96
$\Delta$ 8-Tetrahydrocannabinol ( $\Delta$ 8-THCP)	0.041	0.16	ND	ND
Cannabicitran (CBT)	0.005	0.16	ND	ND
$\Delta$ 8-THC-O-acetate ( $\Delta$ 8-THCO)	0.076	0.16	ND	ND
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND
$\Delta$ 9-THC-O-acetate ( $\Delta$ 9-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- $\Delta$ 8-Tetrahydrocannabinol ( $\Delta$ 8-THC-C8)	0.067	0.204	ND	ND
<b>Total THC ( THCa * 0.877 + <math>\Delta</math>9THC )</b>			<b>4.05</b>	<b>40.54</b>
<b>Total THC + <math>\Delta</math>8THC + <math>\Delta</math>10THC ( THCa * 0.877 + <math>\Delta</math>9THC + <math>\Delta</math>8THC + <math>\Delta</math>10THC )</b>			<b>12.60</b>	<b>125.99</b>
<b>Total CBD ( CBDA * 0.877 + CBD )</b>			<b>12.66</b>	<b>126.56</b>
<b>Total CBG ( CBGA * 0.877 + CBG )</b>			<b>0.46</b>	<b>4.65</b>
<b>Total HHC ( 9r-HHC + 9s-HHC )</b>			<b>ND</b>	<b>ND</b>
<b>Total Cannabinoids Analyzed</b>			<b>29.02</b>	<b>290.16</b>

\*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Nov 13, 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	7.7 % 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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DEA license: RP0611043  
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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
Tue, 14 Nov 2023 12:10:41 -0800

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PharmLabs San Diego Certificate of Analysis



Sample **THCa, THcP, D8 Pre Roll Blend**

Delta9 THC UI	THCa <b>6.12%</b>	Total THC (THCa + 0.877 + THc) <b>5.37%</b>	Delta8 THC <b>9.34%</b>
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Sample ID SD231114-015 (87313)	Matrix Flower (Inhalable Cannabis Good)
Tested for Pops Premium Hemp	
Sampled -	Received Nov 13, 2023
Analyses executed FP-IF20	Reported Nov 15, 2023

Laboratory note: The estimated concentration of the unknown peak in this sample is 1.32%. 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. The UI peak totals will not be included in the cannabinoid totals at the bottom of the potency section.

**CANx - Cannabinoids Analysis**

Analyzed Nov 14, 2023 | Instrument HPLC-VWD | Method SOP-001  
 The expanded Uncertainty of the Cannabinoid analysis is approximately  $\pm 8.1\%$  at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
11-Hydroxy- $\Delta$ 8-Tetrahydrocannabinol (11-Hyd- $\Delta$ 8-THCV)	0.013	0.041	ND	ND
Cannabidiol (CBDO)	0.002	0.007	ND	ND
Abnormal Cannabidiol (a-CBDO)	0.01	0.031	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)	0.012	0.036	ND	ND
11-Hydroxy- $\Delta$ 8-Tetrahydrocannabinol (11-Hyd- $\Delta$ 8-THC)	0.007	0.021	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	11.92	119.20
Cannabigerol Acid (CBGA)	0.001	0.16	0.40	3.98
Cannabigerol (CBG)	0.001	0.16	0.08	0.82
Cannabidiol (CBD)	0.001	0.16	2.30	22.98
$\Delta$ (S)-Tetrahydrocannabinol ( $\Delta$ (S)-H4-CBD)	0.013	0.041	ND	ND
$\Delta$ (R)-Tetrahydrocannabinol ( $\Delta$ (R)-H4-CBD)	0.025	0.075	ND	ND
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
$\Delta$ 8-tetrahydrocannabinol ( $\Delta$ 8-THCV)	0.021	0.064	ND	ND
Cannabidiol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabinol ( $\Delta$ 9-THCB)	0.013	0.038	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Cannabidiophorol (CBDP)	0.015	0.047	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND
Tetrahydrocannabinol ( $\Delta$ 9-THC)	0.003	0.16	UI	UI
$\Delta$ 8-tetrahydrocannabinol ( $\Delta$ 8-THC)	0.004	0.16	9.34	93.44
(6aR,9S)- $\Delta$ 10-Tetrahydrocannabinol ((6aR,9S)- $\Delta$ 10)	0.126	0.42	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND
(6aR,9R)- $\Delta$ 10-Tetrahydrocannabinol ((6aR,9R)- $\Delta$ 10)	0.118	0.39	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	6.12	61.21
$\Delta$ 9-Tetrahydrocannabinol ( $\Delta$ 9-THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND
$\Delta$ 9-Tetrahydrocannabinol ( $\Delta$ 9-THCP)	0.017	0.16	3.54	35.45
$\Delta$ 8-Tetrahydrocannabinol ( $\Delta$ 8-THCP)	0.041	0.16	ND	ND
Cannabicitran (CBT)	0.005	0.16	ND	ND
$\Delta$ 8-THC-O-acetate ( $\Delta$ 8-THCO)	0.076	0.16	ND	ND
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND
$\Delta$ 9-THC-O-acetate ( $\Delta$ 9-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- $\Delta$ 8-Tetrahydrocannabinol ( $\Delta$ 8-THC-C8)	0.067	0.204	ND	ND
<b>Total THC ( THCa + 0.877 + <math>\Delta</math>9THC )</b>			<b>5.37</b>	<b>53.68</b>
<b>Total THC + <math>\Delta</math>8THC + <math>\Delta</math>10THC ( THCa + 0.877 + <math>\Delta</math>9THC + <math>\Delta</math>8THC + <math>\Delta</math>10THC )</b>			<b>14.71</b>	<b>147.12</b>
<b>Total CBD ( CBDA + 0.877 + CBD )</b>			<b>12.75</b>	<b>127.52</b>
<b>Total CBG ( CBGA + 0.877 + CBG )</b>			<b>0.43</b>	<b>4.31</b>
<b>Total HHC ( 9r-HHC + 9s-HHC )</b>			<b>ND</b>	<b>ND</b>
<b>Total Cannabinoids Analyzed</b>			<b>31.44</b>	<b>314.40</b>

\*Dry Weight %

**HME - Heavy Metals Analysis**

Analyzed Nov 14, 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	ND	1.5
Cadmium (Cd)	0.0005	0.0015	0.00	0.5
Mercury (Hg)	0.0058	0.0174	0.00	3
Lead (Pb)	0.0006	0.0018	0.03	0.5
Nickel (Ni)	6.0e-05	0.0002	ND	

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



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Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Wed, 15 Nov 2023 17:23:39 -0800

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MIBIG - Microbial Analysis

Analyzed Nov 15, 2023 | Instrument qPCR and/or Plating | Method SOP-007

Analyte	LOD	LOQ	Result CFU/g	Limit	Analyte	LOD	LOQ	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli			ND	ND per 1 gram	Salmonella spp.			ND	ND per 1 gram
Aspergillus fumigatus			Negative	ND per 1 gram	Aspergillus flavus			Negative	ND per 1 gram
Aspergillus niger			Negative	ND per 1 gram	Aspergillus terreus			Negative	ND per 1 gram

MTO - Mycotoxin Analysis

Analyzed Nov 15, 2023 | Instrument LC/MSMS | Method SOP-004

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND	-	Total Aflatoxins	10.0	20.0	ND	20

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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PES - Pesticides Analysis

Analyzed Nov 15, 2023 | Instrument LC/MSMS GC/MSMS | Method SOP-003

CAPPELLE	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	Carbofuran	0.01	0.02	ND	0
Dimethoate	0.01	0.02	ND	0	Etofenprox	0.02	0.1	ND	0
Fenoxycarb	0.01	0.02	ND	0	Thiachlorpid	0.01	0.02	ND	0
Daminozide	0.01	0.03	ND	0	Dichlorvos	0.02	0.07	ND	0
Imazalil	0.02	0.07	ND	0	Methiocarb	0.01	0.02	ND	0
Spiroxamine	0.01	0.02	ND	0	Coumaphos	0.01	0.02	ND	0
Fipronil	0.01	0.1	ND	0	Paclobutrazol	0.01	0.03	ND	0
Chlorpyrifos	0.01	0.04	ND	0	Ethoprophos (Prophos)	0.01	0.02	ND	0
Baygon (Propoxur)	0.01	0.02	ND	0	Chlordane	0.04	0.1	ND	0
Chlorfenapyr	0.03	0.1	ND	0	Methyl Parathion	0.02	0.1	ND	0
Mevinphos	0.03	0.08	ND	0	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	Chlormequat Chloride	0.02	0.1	NT	0.2

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Nov 15, 2023 | Instrument Microscope | Method SOP-010

Analyte / Limit	Result	Analyte / Limit	Result
> 1/4 of the total sample area covered by sand, soil, cinders, 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 Analysis

Analyzed Nov 13, 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	7.6 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.54 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  
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