



261 Mountain View Dr
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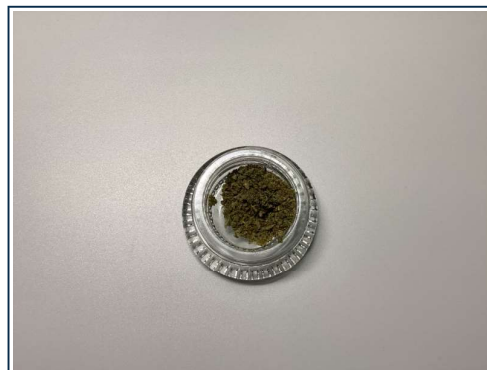
Certificate of Analysis



Client Name: Clean Cannabis Company
License Number: CLTV0090 MANU0045



Sample ID: VT2795
Sample Name: Pre-Packed Chillum
Sample Lot: MANU-0045-006-02
Sample Matrix: Flower
Date Received: 8/2/2023
Date Reported: 8/9/2023
Date Tested: 8/4/2023



Total Cannabinoids

	%	mg/g
Total THC:	28.889	288.892
Total CBD:	--	--
Total Cannabinoids:	32.758	327.581

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #5927

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040
CBD	ND	ND	ND	ND	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	0.9927	9.927	0.872	8.72	0.0009	0.0040
CBGA	0.461	4.61	0.405	4.05	0.0001	0.0040
CBN	< LOQ	< LOQ	< LOQ	< LOQ	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	ND	0.0012	0.0040
D9 THC	14.3956	143.956	12.6451	126.451	0.0016	0.0049
D10 THC	0.3825	3.825	0.336	3.36	0.0004	0.0040
THCA	16.5263	165.263	14.5167	145.167	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040

Moisture & Water Activity

PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #5928

Analyte	Result (%)	Limit	Pass/Fail
Moisture	12.16	13.00	PASS
Water Activity	0.55	0.65	

Holly Heimsath

Holly Heimsath
QA Manager
8/9/2023

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Certificate of Analysis



Client Name: Clean Cannabis Company
License Number: CLTV0090 MANU0045



Sample ID: VT1767

Sample Name: Zkittles

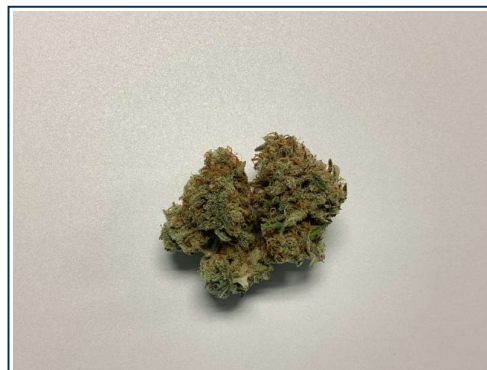
Sample Lot: 006-02

Sample Matrix: Flower

Date Received: 5/25/2023

Date Reported: 5/31/2023

Date Tested: 5/26/2023



Total Cannabinoids

	%	mg/g
Total THC:	20.789	207.894
Total CBD:	--	--
Total Cannabinoids:	24.465	244.650

Total theoretical CBD % = (CBD%) + (CBDA% * 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #3364

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBD	ND	ND	ND	ND	0.0008	0.0040
CBG	ND	ND	ND	ND	0.0009	0.0040
CBGA	0.7599	7.599	0.6699	6.699	0.0001	0.0040
THCVA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBCVA	ND	ND	ND	ND	0.0004	0.0040
D9 THC	< LOQ	< LOQ	< LOQ	< LOQ	0.0016	0.0049
D8 THC	ND	ND	ND	ND	0.0012	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D10 THC	ND	ND	ND	ND	0.0004	0.0040
CBC	ND	ND	ND	ND	0.0003	0.0040
THCA	23.7051	237.051	20.8984	208.984	0.0002	0.0040
CBCA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040

Moisture & Water Activity

PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #3365

Analyte	Result (%)	Limit	Pass/Fail
Moisture	11.84	13.00	
Water Activity	0.54	0.65	PASS

Callie Chapman
Lab Director
5/31/2023

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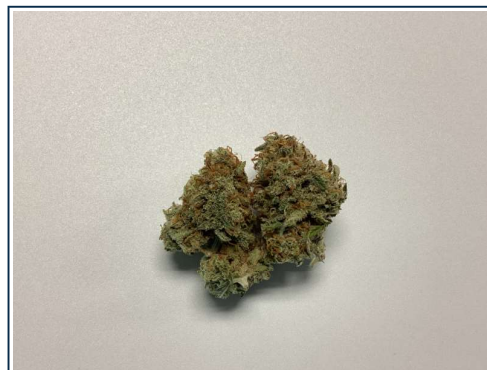
Certificate of Analysis



Client Name: Clean Cannabis Company
License Number: CLTV0090 MANU0045



Sample ID: VT1767
Sample Name: Zkittles
Sample Lot: 006-02
Sample Matrix: Flower
Date Received: 5/25/2023
Date Reported: 5/31/2023
Date Tested: 5/30/2023



Pathogens

PASS

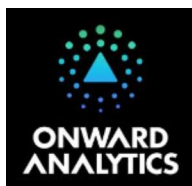
Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #3368

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS

Callie Chapman
Lab Director
5/31/2023

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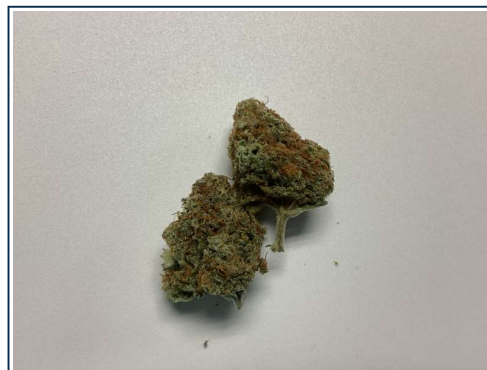
Certificate of Analysis



Client Name: Clean Cannabis Company
License Number: CLTV0090 MANU0045



Sample ID: VT1768
Sample Name: Zkittles
Sample Lot: 006-02
Sample Matrix: Flower
Date Received: 5/25/2023
Date Reported: 5/31/2023
Date Tested:



Pesticides

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #3439

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00156	0.01560
Abamectin B1b	Pass	ND	0.10000	0.00006	0.00060
Acephate	Pass	ND	0.10000	0.00168	0.01680
Acequinocyl	Pass	ND	0.10000	0.00167	0.01670
Azoxystrobin	Pass	ND	0.10000	0.00168	0.01680
Bifenazate	Pass	ND	0.10000	0.00167	0.01670
Bifenthrin	Pass	ND	3.00000	0.00167	0.01670
Carbaryl	Pass	ND	0.50000	0.00167	0.01670
Chlorpyrifos	Pass	ND	0.04000	0.00167	0.01670
Cypermethrin	Pass	ND	1.00000	0.00168	0.01680
Etoazole	Pass	ND	0.10000	0.00168	0.01680
Imazalil	Pass	ND	0.04000	0.00167	0.01670
Imidacloprid	Pass	ND	5.00000	0.00166	0.01660
Myclobutanil	Pass	ND	0.10000	0.00167	0.01670
Spinosyn A	Pass	ND	0.10000	0.00120	0.01199
Spinosyn D	Pass	ND	0.10000	0.00042	0.00415
Pyrethrins	Pass	ND	0.50000	0.00022 0.00498 *	0.00072 0.00015 *

* Pyrethrins action limit represents sum of isomers I & II

Callie Chapman
Lab Director
5/31/2023

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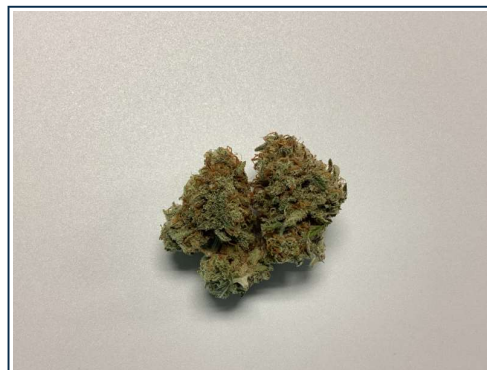
Certificate of Analysis



Client Name: Clean Cannabis Company
License Number: CLTV0090 MANU0045



Sample ID: VT1767
Sample Name: Zkittles
Sample Lot: 006-02
Sample Matrix: Flower
Date Received: 5/25/2023
Date Reported: 5/31/2023
Date Tested: 5/26/2023



Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #3367

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
α -Pinene	0.8036	8.036	0.004	0.013
Camphene	< LOQ	< LOQ	0.003	0.009
β -Pinene	0.3532	3.532	0.004	0.013
Myrcene	0.4843	4.843	0.004	0.014
3-Carene	ND	ND	0.003	0.009
α -Terpinene	ND	ND	0.004	0.025
Isopropyl Toluene	ND	ND	0.005	0.016
Limonene	0.1858	1.858	0.004	0.012
Cineole	ND	ND	0.003	0.009
Ocimene	ND	ND	0.004	0.012
gamma-Terpinene	ND	ND	0.005	0.015
α -Terpinolene	ND	ND	0.005	0.014
Linalool	0.0859	0.859	0.005	0.014
Isopulegol	ND	ND	0.004	0.012
Geraniol	ND	ND	0.011	0.034
trans-Caryophyllene	0.0849	0.849	0.004	0.013
α -Humulene	< LOQ	< LOQ	0.003	0.009
Nerolidol	ND	ND	0.011	0.034
Caryophyllene Oxide	ND	ND	0.006	0.017
Guaiol	< LOQ	< LOQ	0.003	0.009
α -Bisabolol	ND	ND	0.005	0.014
Total Terpenes	1.9977	19.977		

Callie Chapman
Lab Director
5/31/2023

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Certificate of Analysis



Client Name: X-Tract VT

License Number: MANU-0008



Sample ID: OA1365

Sample Name: Full Panel Distillate

Sample Lot: MANU0008-86

Sample Matrix: Solvent Extraction Concentrates

Date Received: 4/19/2023

Date Reported: 4/25/2023



Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #2508

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBDV	ND	ND	0.0008	0.0040
CBDVA	ND	ND	0.0001	0.0040
THCV	ND	ND	0.0016	0.0049
CBDA	ND	ND	0.0002	0.0040
CBD	ND	ND	0.0008	0.0040
CBG	5.6506	56.506	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
THCVA	ND	ND	0.0002	0.0040
CBN	0.8071	8.071	0.0004	0.0040
CBCVA	ND	ND	0.0004	0.0040
D9 THC	84.2897	842.897	0.0016	0.0049
D8 THC	ND	ND	0.0012	0.0040
CBNA	ND	ND	0.0002	0.0040
D10 THC	2.1056	21.056	0.0004	0.0040
CBC	ND	ND	0.0003	0.0040
THCA	ND	ND	0.0002	0.0040
BCA	ND	ND	0.0002	0.0040

Total Cannabinoids

	%	mg/g
Total THC:	84.290	842.897
Total Cannabinoids:	92.853	928.530

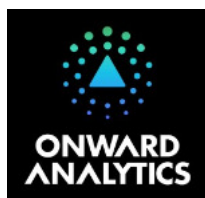
Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)

Callie Chapman

Callie Chapman
Lab Director
4/25/2023

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Certificate of Analysis

Pesticides

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #2510

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00156	0.01560
Abamectin B1b	Pass	ND	0.10000	0.00011	0.00110
Acephate	Pass	ND	0.10000	0.00168	0.01680
Acequinocyl	Pass	ND	0.10000	0.00167	0.01670
Azoxystrobin	Pass	ND	0.10000	0.00168	0.01680
Bifenazate	Pass	ND	0.10000	0.00167	0.01670
Bifenthrin	Pass	ND	3.00000	0.00167	0.01670
Carbaryl	Pass	ND	0.50000	0.00167	0.01670
Chlorpyrifos	Pass	ND	0.04000	0.00167	0.01670
Cypermethrin	Pass	ND	1.00000	0.00168	0.01680
Etoxazole	Pass	ND	0.10000	0.00168	0.01680
Imazalil	Pass	ND	0.04000	0.00167	0.01670
Imidacloprid	Pass	ND	5.00000	0.00166	0.01660
Myclobutanil	Pass	ND	0.10000	0.00167	0.01670
Spinosyn A	Pass	ND	0.10000	0.00120	0.01199
Spinosyn D	Pass	ND	0.10000	0.00042	0.00415
Pyrethrins	Pass	ND	0.50000	0.00022 0.00498 *	0.00072 0.00015 *

* Pyrethrins action limit represents sum of isomers I & II

Mycotoxins

Pass

Mycotoxins (LC-MSMS + GC-MSMS; SOP-070-OA + SOP-073-OA) - Limit units: ug/g = ppm | Test ID: #2512

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Aflatoxin-B1	PASS	ND	0.00100	0.00025	0.00250
Aflatoxin-B2	PASS	ND	0.00100	0.00025	0.00250
Aflatoxin-G1	PASS	ND	0.00100	0.00025	0.00250
Aflatoxin-G2	PASS	ND	0.00100	0.00025	0.00250
Ochratoxin	PASS	ND	0.00100	0.00025	0.00250

Residual Solvents

Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-OA) - Limit units: ug/g | Test ID: #2509

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Acetone	Pass	< LOQ	5000.000	1.000	4.000
Acetonitrile	Pass	< LOQ	410.000	3.000	12.000
Benzene	Pass	< LOQ	2.000	0.200	0.900
Chloroform	Pass	< LOQ	60.000	3.000	10.000
Ethanol	Pass	< LOQ	5000.000	15.000	50.000
Heptanes (total)	Pass	< LOQ	5000.000	15.000	50.000
Hexanes (total)	Pass	< LOQ	290.000	5.000	16.000
Isopropyl Alcohol	Pass	< LOQ	5000.000	15.000	50.000
Methanol	Pass	< LOQ	3000.000	15.000	50.000
Methylene Chloride	Pass	< LOQ	600.000	7.000	22.000
Toluene	Pass	< LOQ	890.000	12.000	18.000
Xylenes	Pass	< LOQ	2170.000	15.000	50.000

Heavy Metals

PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - Limit units: ug/kg | Test ID: #2511

Analyte	Pass/Fail	Result (ug/kg)	Limit	LOD (ug/kg)	LOQ (ug/kg)
Arsenic	PASS	< LOQ	1.500	0.00130	0.050
Cadmium	PASS	< LOQ	0.500	0.00002	0.050
Lead	PASS	< LOQ	1.000	0.00095	0.050
Mercury	PASS	< LOQ	1.500	0.00020	0.050

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Callie Chapman
Lab Director
4/25/2023





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Certificate of Analysis

Pathogens

PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #2513

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS

Callie Chapman
Lab Director
4/25/2023

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