



261 Mountain View Dr
 Colchester, VT 05446
 License #: TLAB0030
 802-767-7256
 info@onwardanalytics.biz

Certificate of Analysis

Client Name: Full Circle Farm
License Number: CLVT-0051

Sample ID: VT4496
Sample Name: Trainwreck
Sample Lot: CLTV0250-001-004
Sample Matrix: Flower
Date Received: 10/26/2023
Date Reported: 11/3/2023
Date Tested: 10/30/2023



Total Terpenes (%) : 3.2348

Dominant Terpenes (%)	
alpha-Terpinolene	0.9551
beta-caryophyllene	0.4065
Limonene	0.3647
Myrcene	0.2807
Ocimene	0.2715

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #11746

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.0651	0.651	0.000002	0.002
alpha-Bisabolol	0.1474	1.474	0.000003	0.002
alpha-Humulene	0.1193	1.193	0.000002	0.002
alpha-Pinene	0.0905	0.905	0.000001	0.002
alpha-Terpinene	0.0642	0.642	0.000001	0.002
alpha-Terpinolene	0.9551	9.551	0.000004	0.002
beta-caryophyllene	0.4065	4.065	0.000004	0.002
beta-Pinene	0.1438	1.438	0.000002	0.002
Camphene	0.0404	0.404	0.000001	0.002
Caryophyllene Oxide	0.0718	0.718	0.000011	0.002
Cineole	0.0246	0.246	0.000002	0.002
gamma-Terpinene	0.0417	0.417	0.000002	0.002
Geraniol	ND	ND	0.000008	0.002
Guaiol	ND	ND	0.000007	0.002
Isopulegol	ND	ND	0.000005	0.002
Isopropyl Toluene	ND	ND	0.000003	0.002
Limonene	0.3647	3.647	0.000002	0.002
Linalool	0.061	0.61	0.000003	0.002
Nerolidol	0.0865	0.865	0.000007	0.002
Myrcene	0.2807	2.807	0.000003	0.002
Ocimene	0.2715	2.715	0.000002	0.002
Total Terpenes	3.2348	32.348		

Callie Chapman
 Lab Director
 11/3/2023

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Total Cannabinoids		
	%	mg/g
Total THC:	16.615	166.150
Total CBD:	--	--
Total Cannabinoids:	21.932	219.321

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: #11744

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	1.5161	15.161	1.3112	13.112	0.0002	0.0040
CBD	< LOQ	< LOQ	< LOQ	< LOQ	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	< LOQ	< LOQ	< LOQ	< LOQ	0.0009	0.0040
CBGA	1.5918	15.918	1.3765	13.765	0.0001	0.0040
CBN	ND	ND	ND	ND	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	0.8635	8.635	0.7467	7.467	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	17.9607	179.607	15.5324	155.324	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: #11745

Analyte	Result (%)	Limit	Pass/Fail
Moisture	13.52	13.00	
Water Activity	0.62	0.65	PASS

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Client Name: Full Circle Farm
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Sample ID: VT4498
Sample Name: HL1: RH,AK47,GCV,TW,FD
Sample Lot: CLTV0250-001-00
Sample Matrix: Flower
Date Received: 10/26/2023
Date Reported: 11/3/2023
Date Tested: 10/30/2023



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #11752

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
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

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Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #11747

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

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