



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:** VT4493  
**Sample Name:** Royal Highness  
**Sample Lot:** CLTV0250-001-001  
**Sample Matrix:** Flower  
**Date Received:** 10/26/2023  
**Date Reported:** 11/3/2023  
**Date Tested:** 10/30/2023



## Total Terpenes (%) : 2.8843

Dominant Terpenes (%)	
beta-caryophyllene	1.1545
Limonene	0.4099
Myrcene	0.367
alpha-Humulene	0.3266
Linalool	0.1459

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #11734

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.002
alpha-Bisabolol	0.0636	0.636	0.000003	0.002
alpha-Humulene	0.3266	3.266	0.000002	0.002
alpha-Pinene	0.0966	0.966	0.000001	0.002
alpha-Terpinene	ND	ND	0.000001	0.002
alpha-Terpinolene	0.0308	0.308	0.000004	0.002
beta-caryophyllene	1.1545	11.545	0.000004	0.002
beta-Pinene	0.0987	0.987	0.000002	0.002
Camphene	0.0437	0.437	0.000001	0.002
Caryophyllene Oxide	0.0878	0.878	0.000011	0.002
Cineole	ND	ND	0.000002	0.002
gamma-Terpinene	ND	ND	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	0.4099	4.099	0.000002	0.002
Linalool	0.1459	1.459	0.000003	0.002
Nerolidol	ND	ND	0.000007	0.002
Myrcene	0.367	3.67	0.000003	0.002
Ocimene	0.0592	0.592	0.000002	0.002
<b>Total Terpenes</b>	<b>2.8843</b>	<b>28.843</b>		

Callie Chapman  
 Lab Director  
 11/3/2023

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Total Cannabinoids		
	%	mg/g
<b>Total THC:</b>	<b>21.433</b>	<b>214.330</b>
<b>Total CBD:</b>	<b>--</b>	<b>--</b>
<b>Total Cannabinoids:</b>	<b>25.295</b>	<b>252.950</b>

**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: #11732

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.5142	5.142	0.4453	4.453	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	0.4041	4.041	0.35	3.5	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	0.444	4.44	0.3846	3.846	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	23.9327	239.327	20.7281	207.281	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	ND	ND	ND	ND	0.0002	0.0040

## Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #11733

Analyte	Result (%)	Limit	Pass/Fail
Moisture	13.39	13.00	
Water Activity	0.61	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  
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## 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: #11735

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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