

Certificate of Analysis

2

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14659

Sample Name: Aristotle Sours
Sample Lot: CLTV0250-3-1AS24
Sample Matrix: Flower
Date Received: 10/29/2024

Date Reported: 11/6/2024 **Date Tested:** 10/30/2024



Total Cannabinoids					
% mg/g					
Total THC:	21.011	210.110			
Total CBD:					
Total Cannabinoids:	24.704	247.043			

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-024-0A) | Test ID: #46019

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.476	4.76	0.4142	4.142	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	< LOQ	< LOQ	< LOQ	< LOQ	0.0009	0.0040
CBGA	0.3272	3.272	0.2848	2.848	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	0.4044	4.044	0.3519	3.519	0.0016	0.0049
D10 THC	< LOQ	< LOQ	< LOQ	< LOQ	0.0004	0.0040
THCA	23.4967	234.967	20.4469	204.469	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-202-0A) | Test ID: #46066

Analyte	Result (%)	Limit	Pass/Fail	
Moisture Water Activity	12.98 0.59	13.00 0.65	PASS	

Collif Den

Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

å

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14659

Sample Name: Aristotle Sours
Sample Lot: CLTV0250-3-1AS24

Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024
Date Tested: 10/30/2024



Total Terpenes (%): 2.4298

Dominant Terpenes (%)				
Limonene	0.656			
beta-caryophyllene	0.5222			
Myrcene	0.3679			
alpha-Humulene	0.159			
alpha-Pinene	0.1387			

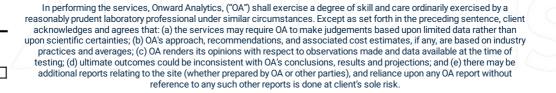
Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-0A) | Test | D: #46022

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.1071	1.071	0.00003	0.001
alpha-Humulene	0.159	1.59	0.000002	0.001
alpha-Pinene	0.1387	1.387	0.00001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0097	0.097	0.000004	0.001
beta-caryophyllene	0.5222	5.222	0.000004	0.001
beta-Pinene	0.111	1.11	0.000002	0.001
Camphene	0.0095	0.095	0.000001	0.001
Caryophyllene Oxide	0.0191	0.191	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	0.0986	0.986	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.656	6.56	0.000002	0.001
Linalool	0.115	1.15	0.000003	0.001
Nerolidol	0.0598	0.598	0.000007	0.001
Myrcene	0.3679	3.679	0.000003	0.001
Ocimene	0.0562	0.562	0.000002	0.001
Total Terpenes	2.4298	24.298		

Callif Den

Callie Chapman Lab Director 11/6/2024







Certificate of Analysis

.

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14659

Sample Name: Aristotle Sours
Sample Lot: CLTV0250-3-1AS24

Sample Matrix: Flower

Date Received: 10/29/2024

Date Reported: 11/6/2024

Date Tested: 10/29/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #46069

	PASS
A. Niger None Detected A. Flavus None Detected A. Terreus None Detected STEC None Detected	PASS PASS PASS PASS PASS



Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

2

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14664

Sample Name: HL: AS, BP, T, FD, BEL

Sample Lot: CLTV0250-3-1
Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024

Date Tested: 11/4/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MSMS; SOP-070-0A) - Limit units: ppm | Test | D: #46141

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00687	0.02081
Abamectin B1b	Pass	ND	0.10000	0.00133	0.00405
Acephate	Pass	ND	0.10000	0.02214	0.06710
Acequinocyl	Pass	ND	0.10000	0.02276	0.06897
Azoxystrobin	Pass	ND	0.10000	0.01262	0.03825
Bifenazate	Pass	ND	0.10000	0.01232	0.03734
Bifenthrin	Pass	ND	3.00000	0.04612	0.13976
Carbaryl	Pass	ND	0.50000	0.01039	0.03149
Chlorpyrifos	Pass	ND	0.04000	0.00702	0.02128
Cypermethrin	Pass	ND	1.00000	0.02839	0.08604
Etoxazole	Pass	ND	0.10000	0.00915	0.02772
Imazalil	Pass	ND	0.04000	0.00664	0.02012
Imidacloprid	Pass	ND	5.00000	0.02001	0.06063
Myclobutanil	Pass	ND	0.10000	0.01691	0.05123
Spinosyn A	Pass	ND	0.10000	0.00632	0.01916
Spinosyn D	Pass	ND	0.10000	0.00256	0.00775
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 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

•

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14657

Sample Name: Plato's Reserve
Sample Lot: CLTV0250-3-1PR24

Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024
Date Tested: 10/30/2024



Total Cannabinoids					
% mg/g					
Total THC:	26.469	264.687			
Total CBD:					
Total Cannabinoids:	31.369	313.686			

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-024-0A) | Test ID: #46055

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.4536	4.536	0.3953	3.953	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	ND	ND	ND	ND	0.0009	0.0040
CBGA	0.5059	5.059	0.4409	4.409	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	< LOQ	< LOQ	< LOQ	< LOQ	0.0012	0.0040
D9 THC	0.6373	6.373	0.5554	5.554	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	29.4543	294.543	25.6723	256.723	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	0.3175	3.175	0.2767	2.767	0.0002	0.0040

Moisture & Water Activity

PASS

Water Activity and Moisture Content Analysis (SOP-202-0A) | Test ID: #46056

Analyte	Result (%)	Limit	Pass/Fail	
Moisture Water Activity	12.84 0.60	13.00 0.65	PASS	

Collif Den

Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

<u>.</u>

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14657

Sample Name: Plato's Reserve Sample Lot: CLTV0250-3-1PR24

Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024
Date Tested: 10/30/2024



Total Terpenes (%): 2.7076

Dominant Terpenes (%)				
Limonene	0.8168			
beta-caryophyllene	0.7177			
alpha-Humulene	0.2507			
Linalool	0.1712			
alpha-Bisabolol	0.1546			

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-0A) | Test | ID: #46012

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.1546	1.546	0.000003	0.001
alpha-Humulene	0.2507	2.507	0.000002	0.001
alpha-Pinene	0.1452	1.452	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0107	0.107	0.000004	0.001
beta-caryophyllene	0.7177	7.177	0.000004	0.001
beta-Pinene	0.1317	1.317	0.000002	0.001
Camphene	0.0125	0.125	0.000001	0.001
Caryophyllene Oxide	0.0241	0.241	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.8168	8.168	0.000002	0.001
Linalool	0.1712	1.712	0.000003	0.001
Nerolidol	0.0704	0.704	0.000007	0.001
Myrcene	0.1478	1.478	0.000003	0.001
Ocimene	0.0542	0.542	0.000002	0.001
Total Terpenes	2.7076	27.076		

Callif Den

Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

2

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14657

Sample Name: Plato's Reserve Sample Lot: CLTV0250-3-1PR24

Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024
Date Tested: 10/29/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #46059

Analyte	Result	Pass/Fa
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 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

2

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14663

Sample Name: HL: RH, GED, AK47, PR & VG

Sample Lot: CLTV0250-3-1
Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024

Date Tested: 11/4/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-0A) - Limit units: ppm | Test ID: #46140

Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Pass	ND	0.10000	0.00687	0.02081
Pass	ND	0.10000	0.00133	0.00405
Pass	ND	0.10000	0.02214	0.06710
Pass	ND	0.10000	0.02276	0.06897
Pass	ND	0.10000	0.01262	0.03825
Pass	ND	0.10000	0.01232	0.03734
Pass	ND	3.00000	0.04612	0.13976
Pass	ND	0.50000	0.01039	0.03149
Pass	ND	0.04000	0.00702	0.02128
Pass	ND	1.00000	0.02839	0.08604
Pass	ND	0.10000	0.00915	0.02772
Pass	ND	0.04000	0.00664	0.02012
Pass	ND	5.00000	0.02001	0.06063
Pass	ND	0.10000	0.01691	0.05123
Pass	ND	0.10000	0.00632	0.01916
Pass	ND	0.10000	0.00256	0.00775
Pass	ND	0.50000	0.00022 0.00498 *	0.00072 0.00015 *
	Pass Pass Pass Pass Pass Pass Pass Pass	Pass ND	Pass ND 0.10000 Pass ND 0.50000 Pass ND 0.04000 Pass ND 1.00000 Pass ND 0.10000 Pass ND 0.04000 Pass ND 0.04000 Pass ND 0.10000 Pass ND 0.10000 Pass ND 0.10000 Pass ND 0.10000 Pass ND 0.10000	Pass ND 0.10000 0.00687 Pass ND 0.10000 0.00133 Pass ND 0.10000 0.02214 Pass ND 0.10000 0.02276 Pass ND 0.10000 0.01262 Pass ND 0.10000 0.01232 Pass ND 3.00000 0.04612 Pass ND 0.50000 0.01039 Pass ND 0.04000 0.00702 Pass ND 1.00000 0.02839 Pass ND 0.10000 0.00915 Pass ND 0.04000 0.00664 Pass ND 0.10000 0.01691 Pass ND 0.10000 0.01691 Pass ND 0.10000 0.00632 Pass ND 0.10000 0.00256 Dass ND 0.10000 0.00256

^{*} Pyrethrins action limit represents sum of isomers I & II



Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14662

Sample Name: Farmers Daughter Sample Lot: CLTV0250-3-1FD24

Sample Matrix: Flower Date Received: 10/29/2024 **Date Reported: 11/6/2024** Date Tested: 10/30/2024



Total Cannabinoids				
	%	mg/g		
Total THC:	22.890	228.895		
Total CBD:				
Total Cannabinoids:	28.248	282.481		

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-024-0A) | Test ID: #46034

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.8713	8.713	0.7569	7.569	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	ND	ND	ND	ND	0.0009	0.0040
CBGA	1.277	12.77	1.1094	11.094	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	< LOQ	< LOQ	< LOQ	< LOQ	0.0016	0.0049
D10 THC	< LOQ	< LOQ	< LOQ	< LOQ	0.0004	0.0040
THCA	26.0998	260.998	22.6729	226.729	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: #46035

Analyte	Result (%)	Limit	Pass/Fail	
Moisture Water Activity	13.13 0.60	13.00 0.65	PASS	

Callie Chapman Lab Director 11/6/2024

Initial Release





Certificate of Analysis

<u>.</u>

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14662

Sample Name: Farmers Daughter Sample Lot: CLTV0250-3-1FD24

Sample Matrix: Flower

Date Received: 10/29/2024

Date Reported: 11/6/2024

Date Tested: 10/30/2024



Total Terpenes (%): 1.9294

Dominant Terpenes (%)			
beta-caryophyllene	0.6634		
Limonene	0.6065		
alpha-Humulene	0.1812		
alpha-Bisabolol	0.1208		
beta-Pinene	0.0867		

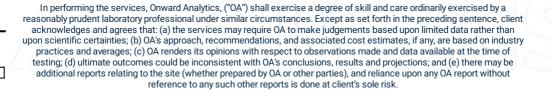
Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-0A) | Test ID: #46083

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.1208	1.208	0.000003	0.001
alpha-Humulene	0.1812	1.812	0.000002	0.001
alpha-Pinene	0.0553	0.553	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0077	0.077	0.000004	0.001
beta-caryophyllene	0.6634	6.634	0.000004	0.001
beta-Pinene	0.0867	0.867	0.000002	0.001
Camphene	0.0099	0.099	0.000001	0.001
Caryophyllene Oxide	0.0247	0.247	0.000011	0.001
Eucalyptol	< LOQ	< LOQ	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.00003	0.001
Limonene	0.6065	6.065	0.000002	0.001
Linalool	0.0785	0.785	0.000003	0.001
Nerolidol	0.0265	0.265	0.000007	0.001
Myrcene	0.0582	0.582	0.000003	0.001
Ocimene	0.01	0.1	0.000002	0.001
Total Terpenes	1.9294	19.294		

Collif Den

Callie Chapman Lab Director 11/6/2024







Certificate of Analysis

2

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14662

Sample Name: Farmers Daughter Sample Lot: CLTV0250-3-1FD24

Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024
Date Tested: 10/29/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-0A) | Test ID: #46084

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



Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

2

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14664

Sample Name: HL: AS, BP, T, FD, BEL

Sample Lot: CLTV0250-3-1
Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024

Date Tested: 11/4/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MSMS; SOP-070-0A) - Limit units: ppm | Test | D: #46141

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00687	0.02081
Abamectin B1b	Pass	ND	0.10000	0.00133	0.00405
Acephate	Pass	ND	0.10000	0.02214	0.06710
Acequinocyl	Pass	ND	0.10000	0.02276	0.06897
Azoxystrobin	Pass	ND	0.10000	0.01262	0.03825
Bifenazate	Pass	ND	0.10000	0.01232	0.03734
Bifenthrin	Pass	ND	3.00000	0.04612	0.13976
Carbaryl	Pass	ND	0.50000	0.01039	0.03149
Chlorpyrifos	Pass	ND	0.04000	0.00702	0.02128
Cypermethrin	Pass	ND	1.00000	0.02839	0.08604
Etoxazole	Pass	ND	0.10000	0.00915	0.02772
Imazalil	Pass	ND	0.04000	0.00664	0.02012
Imidacloprid	Pass	ND	5.00000	0.02001	0.06063
Myclobutanil	Pass	ND	0.10000	0.01691	0.05123
Spinosyn A	Pass	ND	0.10000	0.00632	0.01916
Spinosyn D	Pass	ND	0.10000	0.00256	0.00775
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 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14656

Sample Name: AK-47

Sample Lot: CLTV0250-3-1AK24

Sample Matrix: Flower **Date Received: 10/29/2024 Date Reported: 11/6/2024** Date Tested: 10/30/2024



Total Cannabinoids				
	%	mg/g		
Total THC:	20.374	203.740		
Total CBD:				
Total Cannabinoids:	25.025	250.245		

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-024-0A) | Test ID: #46050

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.2901	2.901	0.2509	2.509	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	ND	ND	ND	ND	0.0009	0.0040
CBGA	1.5029	15.029	1.2995	12.995	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	< LOQ	< LOQ	< LOQ	< LOQ	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	23.2315	232.315	20.0882	200.882	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-202-0A) | Test ID: #46051

Analyte	Result (%)	Limit	Pass/Fail	
Moisture	13.53	13.00		
Water Activity	0.61	0.65	PASS	

Callie Chapman Lab Director 11/6/2024

Initial Release





Certificate of Analysis

*

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14656

Sample Name: AK-47

Sample Lot: CLTV0250-3-1AK24

Sample Matrix: Flower

Date Received: 10/29/2024

Date Reported: 11/6/2024

Date Tested: 10/30/2024



Total Terpenes (%): 2.3882

Dominant Terpenes (%)			
alpha-Terpinolene	0.8098		
beta-caryophyllene	0.3953		
Myrcene	0.3915		
Limonene	0.2688		
alpha-Humulene	0.1621		

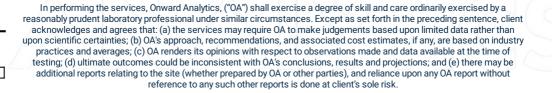
Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-0A) | Test | D: #46007

3-Carene 0.0206 0.206 0.000002 0.001 alpha-Bisabolol 0.0038 0.038 0.000003 0.001 alpha-Humulene 0.1621 1.621 0.000002 0.001 alpha-Pinene 0.0479 0.479 0.000001 0.001 alpha-Terpinene 0.0139 0.139 0.000001 0.001 alpha-Terpinene 0.000001 0.001 0.001	
alpha-Humulene 0.1621 1.621 0.000002 0.001 alpha-Pinene 0.0479 0.479 0.000001 0.001 alpha-Terpinene 0.0139 0.139 0.000001 0.001	
alpha-Pinene 0.0479 0.479 0.000001 0.001 alpha-Terpinene 0.0139 0.139 0.000001 0.001	
alpha-Terpinene 0.0139 0.139 0.000001 0.001	
alaba Tawanalana 0 0000 0 0000 0 000004 0 000	
alpha-Terpinolene 0.8098 8.098 0.000004 0.001	
beta-caryophyllene 0.3953 3.953 0.000004 0.001	
beta-Pinene 0.0815 0.815 0.000002 0.001	
Camphene < LOQ < LOQ 0.000001 0.001	
Caryophyllene Oxide 0.0132 0.132 0.000011 0.001	
Eucalyptol 0.0081 0.081 0.00002 0.001	
gamma-Terpinene 0.005 0.05 0.000002 0.001	
Geraniol ND ND 0.000008 0.003	
Guaiol ND ND 0.000007 0.001	
Isopulegol ND ND 0.000005 0.001	
Isopropyl Toluene ND ND 0.000003 0.001	
Limonene 0.2688 2.688 0.000002 0.001	
Linalool 0.0393 0.393 0.000003 0.001	
Nerolidol 0.0518 0.518 0.000007 0.001	
Myrcene 0.3915 3.915 0.000003 0.001	
Ocimene 0.0756 0.756 0.000002 0.001	
Total Terpenes 2.3882 23.882	

Callif Den

Callie Chapman Lab Director 11/6/2024







Certificate of Analysis

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14656

Sample Name: AK-47

Sample Lot: CLTV0250-3-1AK24

Sample Matrix: Flower **Date Received: 10/29/2024**

Date Reported: 11/6/2024 Date Tested: 10/29/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #46008

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



Callie Chapman Lab Director 11/6/2024

Initial Release





Certificate of Analysis

2

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14663

Sample Name: HL: RH, GED, AK47, PR & VG

Sample Lot: CLTV0250-3-1
Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024

Date Tested: 11/4/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-0A) - Limit units: ppm | Test ID: #46140

Analyte Pass/Fail Result (ppm) Limit LOD (ppm) LOQ (p Abamectin B1a Pass ND 0.10000 0.00687 0.0208 Abamectin B1b Pass ND 0.10000 0.00133 0.0040 Acephate Pass ND 0.10000 0.02214 0.0671 Acequinocyl Pass ND 0.10000 0.02276 0.0680 Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397 Carbaryl Pass ND 0.50000 0.01039 0.0314	
Abamectin B1b Pass ND 0.10000 0.00133 0.0040 Acephate Pass ND 0.10000 0.02214 0.0671 Acequinocyl Pass ND 0.10000 0.02276 0.0689 Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397	ipm)
Acephate Pass ND 0.10000 0.02214 0.0671 Acequinocyl Pass ND 0.10000 0.02276 0.0689 Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397	31
Acequinocyl Pass ND 0.10000 0.02276 0.0689 Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397)5
Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397	10
Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397	9 7
Bifenthrin Pass ND 3.00000 0.04612 0.1397	25
	34
Carbaryl Pass ND 0.50000 0.01039 0.0314	76
	49
Chlorpyrifos Pass ND 0.04000 0.00702 0.0212	28
Cypermethrin Pass ND1.00000 0.02839 0.0860)4
Etoxazole Pass ND 0.10000 0.00915 0.0277	72
Imazalil Pass ND 0.04000 0.00664 0.0201	12
Imidacloprid Pass ND 5.00000 0.02001 0.0606	53
Myclobutanil Pass ND 0.10000 0.01691 0.0512	23
Spinosyn A Pass ND 0.10000 0.00632 0.0191	16
Spinosyn D Pass ND 0.10000 0.00256 0.0077	75
Pyrethrins Pass ND 0.50000 0.00022 0.000498 * 0.0007	

^{*} Pyrethrins action limit represents sum of isomers I & II



Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14654

Sample Name: Royal Highness Sample Lot: CLTV0250-3-1RH24

Sample Matrix: Flower **Date Received: 10/29/2024 Date Reported: 11/6/2024** Date Tested: 10/30/2024



Total Cannabinoids				
	%	mg/g		
Total THC:	25.757	257.572		
Total CBD:				
Total Cannabinoids:	30.656	306.559		

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-024-0A) | Test ID: #46039

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.6586	6.586	0.5803	5.803	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	ND	ND	ND	ND	0.0009	0.0040
CBGA	0.6276	6.276	0.5529	5.529	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	< LOQ	< LOQ	< LOQ	< LOQ	0.0016	0.0049
D10 THC	< LOQ	< LOQ	< LOQ	< LOQ	0.0004	0.0040
THCA	29.3697	293.697	25.8747	258.747	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: #46041

Analyte	Result (%)	Limit	Pass/Fail	
Moisture Water Activity	11.90 0.53	13.00 0.65	PASS	

Callie Chapman Lab Director 11/6/2024

Initial Release





Certificate of Analysis

å

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14654

Sample Name: Royal Highness Sample Lot: CLTV0250-3-1RH24

Sample Matrix: Flower

Date Received: 10/29/2024

Date Reported: 11/6/2024

Date Tested: 10/30/2024



Total Terpenes (%): 2.7277

Dominant Terpenes (%)			
beta-caryophyllene	1.0439		
Limonene	0.5873		
Myrcene	0.3991		
alpha-Humulene	0.2991		
Linalool	0.1664		

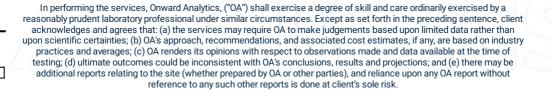
Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-0A) | Test ID: #45997

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	
3-Carene	ND	ND	0.000002	0.001	
alpha-Bisabolol	0.0199	0.199	0.000003	0.001	
alpha-Humulene	0.2991	2.991	0.000002	0.001	
alpha-Pinene	0.0516	0.516	0.000001	0.001	
alpha-Terpinene	ND	ND	0.000001	0.001	
alpha-Terpinolene	0.0195	0.195	0.000004	0.001	
beta-caryophyllene	1.0439	10.439	0.000004	0.001	
beta-Pinene	0.0842	0.842	0.000002	0.001	
Camphene	0.0096	0.096	0.000001	0.001	
Caryophyllene Oxide	0.0357	0.357	0.000011	0.001	
Eucalyptol	ND	ND	0.000002	0.001	
gamma-Terpinene	ND	ND	0.000002	0.001	
Geraniol	ND	ND	0.000008	0.003	
Guaiol	ND	ND	0.000007	0.001	
Isopulegol	ND	ND	0.000005	0.001	
Isopropyl Toluene	ND	ND	0.000003	0.001	
Limonene	0.5873	5.873	0.000002	0.001	
Linalool	0.1664	1.664	0.000003	0.001	
Nerolidol	ND	ND	0.000007	0.001	
Myrcene	0.3991	3.991	0.000003	0.001	
Ocimene	0.0114	0.114	0.000002	0.001	
Total Terpenes	2.7277	27.277			

Collif Den

Callie Chapman Lab Director 11/6/2024







Certificate of Analysis

2

Client Name: Full Circle Farm

License Number: CLVT0250

Sample ID: VT14654

Sample Name: Royal Highness Sample Lot: CLTV0250-3-1RH24

Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024
Date Tested: 10/29/2024



Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-0A) | Test ID: #45998

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



Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release





Certificate of Analysis

2

Client Name: Full Circle Farm License Number: CLVT0250

Sample ID: VT14663

Sample Name: HL: RH, GED, AK47, PR & VG

Sample Lot: CLTV0250-3-1
Sample Matrix: Flower
Date Received: 10/29/2024
Date Reported: 11/6/2024

Date Tested: 11/4/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-0A) - Limit units: ppm | Test ID: #46140

Analyte Pass/Fail Result (ppm) Limit LOD (ppm) LOQ (p Abamectin B1a Pass ND 0.10000 0.00687 0.0208 Abamectin B1b Pass ND 0.10000 0.00133 0.0040 Acephate Pass ND 0.10000 0.02214 0.0671 Acequinocyl Pass ND 0.10000 0.02276 0.0680 Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397 Carbaryl Pass ND 0.50000 0.01039 0.0314	
Abamectin B1b Pass ND 0.10000 0.00133 0.0040 Acephate Pass ND 0.10000 0.02214 0.0671 Acequinocyl Pass ND 0.10000 0.02276 0.0689 Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397	ipm)
Acephate Pass ND 0.10000 0.02214 0.0671 Acequinocyl Pass ND 0.10000 0.02276 0.0689 Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397	31
Acequinocyl Pass ND 0.10000 0.02276 0.0689 Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397)5
Azoxystrobin Pass ND 0.10000 0.01262 0.0382 Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397	10
Bifenazate Pass ND 0.10000 0.01232 0.0373 Bifenthrin Pass ND 3.00000 0.04612 0.1397	9 7
Bifenthrin Pass ND 3.00000 0.04612 0.1397	25
	34
Carbaryl Pass ND 0.50000 0.01039 0.0314	76
	49
Chlorpyrifos Pass ND 0.04000 0.00702 0.0212	28
Cypermethrin Pass ND1.00000 0.02839 0.0860)4
Etoxazole Pass ND 0.10000 0.00915 0.0277	72
Imazalil Pass ND 0.04000 0.00664 0.0201	12
Imidacloprid Pass ND 5.00000 0.02001 0.0606	53
Myclobutanil Pass ND 0.10000 0.01691 0.0512	23
Spinosyn A Pass ND 0.10000 0.00632 0.0191	16
Spinosyn D Pass ND 0.10000 0.00256 0.0077	75
Pyrethrins Pass ND 0.50000 0.00022 0.000498 * 0.0007	

^{*} Pyrethrins action limit represents sum of isomers I & II



Callie Chapman Lab Director 11/6/2024

Rev. 1 Initial Release

