



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

# Certificate of Analysis

**Client Name:** Seven Leaf Genetics  
**License Number:** CLTV0234

**Sample ID:** VT3567  
**Sample Name:** Marge's Iguana  
**Sample Lot:** CLTV0234-006  
**Sample Matrix:** Flower  
**Date Received:** 9/18/2023  
**Date Reported:** 9/25/2023  
**Date Tested:** 9/20/2023



Total Cannabinoids		
	%	mg/g
<b>Total THC:</b>	<b>23.855</b>	<b>238.552</b>
<b>Total CBD:</b>	<b>--</b>	<b>--</b>
<b>Total Cannabinoids:</b>	<b>29.777</b>	<b>297.770</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: #8228

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.2594	2.594	0.2277	2.277	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	1.4259	14.259	1.2513	12.513	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	2.5965	25.965	2.2787	22.787	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	24.2402	242.402	21.2732	212.732	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	1.255	12.55	1.1014	11.014	0.0002	0.0040

## Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #8229

Analyte	Result (%)	Limit	Pass/Fail
Moisture	12.24	13.00	
Water Activity	0.55	0.65	PASS

Callie Chapman  
 Lab Director  
 9/25/2023

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**Sample ID:** VT3567  
**Sample Name:** Marge's Iguana  
**Sample Lot:** CLTV0234-006  
**Sample Matrix:** Flower  
**Date Received:** 9/18/2023  
**Date Reported:** 9/25/2023  
**Date Tested:** 9/20/2023



**Total Terpenes (%) : 3.6487**

Dominant Terpenes (%)	
alpha-Terpinolene	1.5118
Ocimene	0.544
Limonene	0.3998
trans-Caryophyllene	0.3781
Myrcene	0.3768

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #8230

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.0662	0.662	0.003	0.009
alpha-Bisabolol	ND	ND	0.005	0.014
alpha-Humulene	0.1191	1.191	0.003	0.009
alpha-Pinene	0.104	1.04	0.004	0.013
alpha-Terpinene	< LOQ	< LOQ	0.004	0.025
alpha-Terpinolene	1.5118	15.118	0.005	0.014
beta-Pinene	0.1489	1.489	0.004	0.013
Camphene	< LOQ	< LOQ	0.003	0.009
Caryophyllene Oxide	ND	ND	0.006	0.017
Cineole	ND	ND	0.003	0.009
gamma-Terpinene	< LOQ	< LOQ	0.005	0.015
Geraniol	ND	ND	0.011	0.034
Guaiol	ND	ND	0.003	0.009
Isopulegol	ND	ND	0.004	0.012
Isopropyl Toluene	ND	ND	0.005	0.016
Limonene	0.3998	3.998	0.004	0.012
Linalool	< LOQ	< LOQ	0.005	0.014
Nerolidol	ND	ND	0.011	0.034
Myrcene	0.3768	3.768	0.004	0.014
Ocimene	0.544	5.44	0.004	0.012
trans-Caryophyllene	0.3781	3.781	0.004	0.013
<b>Total Terpenes</b>	<b>3.6487</b>	<b>36.487</b>		

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 Lab Director  
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# Certificate of Analysis

**Client Name:** Seven Leaf Genetics  
**License Number:** CLTV0234

**Sample ID:** VT3568  
**Sample Name:** Gummies  
**Sample Lot:** CLTV0234-006  
**Sample Matrix:** Flower  
**Date Received:** 9/18/2023  
**Date Reported:** 9/25/2023  
**Date Tested:** 9/20/2023



Total Cannabinoids		
	%	mg/g
<b>Total THC:</b>	<b>18.402</b>	<b>184.015</b>
<b>Total CBD:</b>	--	--
<b>Total Cannabinoids:</b>	<b>21.380</b>	<b>213.798</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: #8231

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	ND	ND	ND	ND	0.0009	0.0040
CBGA	0.5537	5.537	0.4844	4.844	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	1.1141	11.141	0.9747	9.747	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	19.712	197.12	17.246	172.46	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: #8232

Analyte	Result (%)	Limit	Pass/Fail
Moisture	12.51	13.00	
Water Activity	0.57	0.65	PASS

Callie Chapman  
 Lab Director  
 9/25/2023

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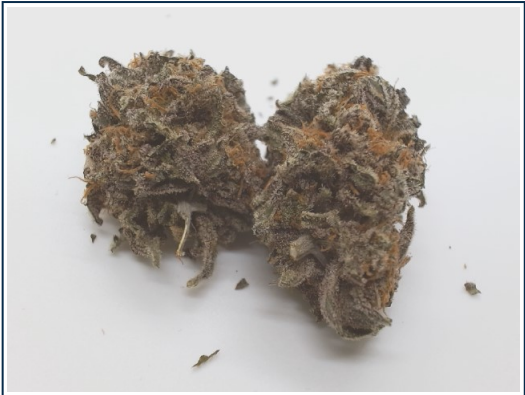


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**Sample ID:** VT3568  
**Sample Name:** Gummies  
**Sample Lot:** CLTV0234-006  
**Sample Matrix:** Flower  
**Date Received:** 9/18/2023  
**Date Reported:** 9/25/2023  
**Date Tested:** 9/20/2023



## Total Terpenes (%) : 1.8133

Dominant Terpenes (%)	
trans-Caryophyllene	0.5758
Limonene	0.5557
alpha-Bisabolol	0.3308
Linalool	0.1761
alpha-Pinene	0.0925

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #8233

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.003	0.009
alpha-Bisabolol	0.3308	3.308	0.005	0.014
alpha-Humulene	ND	ND	0.003	0.009
alpha-Pinene	0.0925	0.925	0.004	0.013
alpha-Terpinene	ND	ND	0.004	0.025
alpha-Terpinolene	< LOQ	< LOQ	0.005	0.014
beta-Pinene	0.0824	0.824	0.004	0.013
Camphene	< LOQ	< LOQ	0.003	0.009
Caryophyllene Oxide	ND	ND	0.006	0.017
Cineole	ND	ND	0.003	0.009
gamma-Terpinene	ND	ND	0.005	0.015
Geraniol	ND	ND	0.011	0.034
Guaiol	ND	ND	0.003	0.009
Isopulegol	ND	ND	0.004	0.012
Isopropyl Toluene	ND	ND	0.005	0.016
Limonene	0.5557	5.557	0.004	0.012
Linalool	0.1761	1.761	0.005	0.014
Nerolidol	ND	ND	0.011	0.034
Myrcene	< LOQ	< LOQ	0.004	0.014
Ocimene	< LOQ	< LOQ	0.004	0.012
trans-Caryophyllene	0.5758	5.758	0.004	0.013
<b>Total Terpenes</b>	<b>1.8133</b>	<b>18.133</b>		

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 Lab Director  
 9/25/2023

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# Certificate of Analysis

**Client Name:** Seven Leaf Genetics  
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**Sample ID:** VT3569  
**Sample Name:** Mac 1  
**Sample Lot:** CLTV0234-006  
**Sample Matrix:** Flower  
**Date Received:** 9/18/2023  
**Date Reported:** 9/25/2023  
**Date Tested:** 9/20/2023



Total Cannabinoids		
	%	mg/g
<b>Total THC:</b>	<b>23.648</b>	<b>236.478</b>
<b>Total CBD:</b>	<b>--</b>	<b>--</b>
<b>Total Cannabinoids:</b>	<b>27.995</b>	<b>279.954</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: #8234

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	0.2638	2.638	0.2307	2.307	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	0.9663	9.663	0.8451	8.451	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	1.4199	14.199	1.2418	12.418	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	25.3454	253.454	22.1671	221.671	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: #8235

Analyte	Result (%)	Limit	Pass/Fail
Moisture	12.54	13.00	
Water Activity	0.57	0.65	PASS

Callie Chapman  
 Lab Director  
 9/25/2023

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**Sample ID:** VT3569  
**Sample Name:** Mac 1  
**Sample Lot:** CLTV0234-006  
**Sample Matrix:** Flower  
**Date Received:** 9/18/2023  
**Date Reported:** 9/25/2023  
**Date Tested:** 9/20/2023



## Total Terpenes (%) : 2.0063

Dominant Terpenes (%)	
Limonene	0.6923
trans-Caryophyllene	0.3503
alpha-Pinene	0.2359
Myrcene	0.1643
Linalool	0.1637

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #8236

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.003	0.009
alpha-Bisabolol	ND	ND	0.005	0.014
alpha-Humulene	0.1098	1.098	0.003	0.009
alpha-Pinene	0.2359	2.359	0.004	0.013
alpha-Terpinene	ND	ND	0.004	0.025
alpha-Terpinolene	ND	ND	0.005	0.014
beta-Pinene	0.1632	1.632	0.004	0.013
Camphene	0.0559	0.559	0.003	0.009
Caryophyllene Oxide	ND	ND	0.006	0.017
Cineole	ND	ND	0.003	0.009
gamma-Terpinene	ND	ND	0.005	0.015
Geraniol	ND	ND	0.011	0.034
Guaiol	ND	ND	0.003	0.009
Isopulegol	ND	ND	0.004	0.012
Isopropyl Toluene	ND	ND	0.005	0.016
Limonene	0.6923	6.923	0.004	0.012
Linalool	0.1637	1.637	0.005	0.014
Nerolidol	ND	ND	0.011	0.034
Myrcene	0.1643	1.643	0.004	0.014
Ocimene	0.0709	0.709	0.004	0.012
trans-Caryophyllene	0.3503	3.503	0.004	0.013
<b>Total Terpenes</b>	<b>2.0063</b>	<b>20.063</b>		

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 Lab Director  
 9/25/2023

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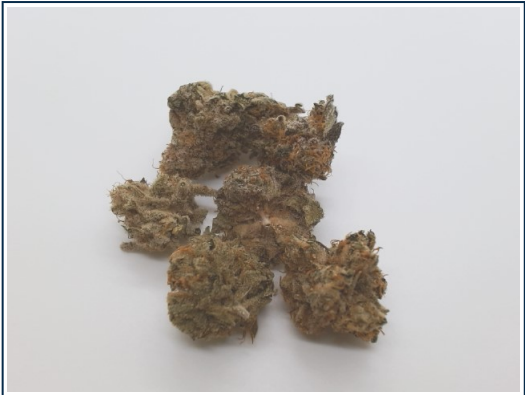


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# Certificate of Analysis

**Client Name:** Seven Leaf Genetics  
**License Number:** CLTV0234

**Sample ID:** VT3570  
**Sample Name:** HL6: MI, G & MC1  
**Sample Lot:** CLTV0234-006  
**Sample Matrix:** Flower  
**Date Received:** 9/18/2023  
**Date Reported:** 9/25/2023  
**Date Tested:** 9/21/2023



## Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #8237

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	< LOQ	0.50000	0.00022 0.00498 *	0.00072 0.00015 *

\* Pyrethrins action limit represents sum of isomers I & II

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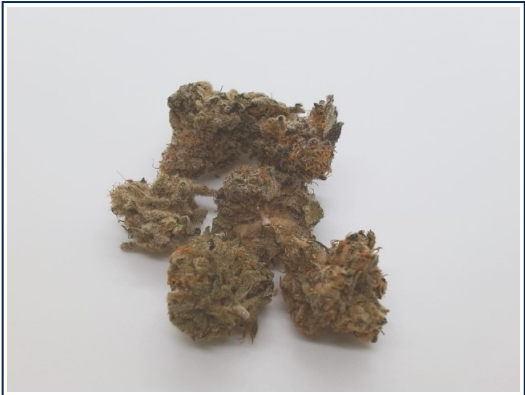


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**License Number:** CLTV0234

**Sample ID:** VT3570  
**Sample Name:** HL6: MI, G & MC1  
**Sample Lot:** CLTV0234-006  
**Sample Matrix:** Flower  
**Date Received:** 9/18/2023  
**Date Reported:** 9/25/2023  
**Date Tested:** 9/21/2023



## Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #8238

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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