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

Certificate of Analysis

Client Name: Stone Leaf Process, LLC
License Number: MANU0031

Sample ID: VT17271
Sample Name: Mac 1 Rosin Rocket
Sample Lot: manu0031-271-mac1
Sample Matrix: Infused Flower
Date Received: 1/9/2025
Date Reported: 1/16/2025
Date Tested: 1/14/2025

Total Cannabinoids

	%	mg/g
Total THC:	**39.319**	**393.186**
Total CBD:	**--**	**--**
Total Cannabinoids:	**44.106**	**441.057**

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: #56149

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.5693	5.693	0.5217	5.217	0.0003	0.0040
CBCA	0.359	3.59	0.329	3.29	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	2.254	22.54	2.0656	20.656	0.0009	0.0040
CBGA	0.3944	3.944	0.3614	3.614	0.0001	0.0040
CBN	0.2403	2.403	0.2202	2.202	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	32.4014	324.014	29.6927	296.927	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	7.8873	78.873	7.228	72.28	0.0002	0.0040
THCV	< LOQ	< LOQ	< LOQ	< LOQ	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: #56214

Analyte	Result (%)	Limit	Pass/Fail
Moisture	8.36	13.00	
Water Activity	0.28	0.65	PASS

Callie Chapman
Lab Director
1/16/2025

Rev. 1	Initial Release

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Certificate of Analysis

Client Name: Stone Leaf Process, LLC
License Number: MANU0031

Sample ID: VT17271
Sample Name: Mac 1 Rosin Rocket
Sample Lot: manu0031-271-mac1
Sample Matrix: Infused Flower
Date Received: 1/9/2025
Date Reported: 1/16/2025
Date Tested: 1/14/2025

Total Terpenes (%) : 2.1308

Dominant Terpenes (%)	
beta-caryophyllene	0.676
alpha-Terpinolene	0.3291
Limonene	0.322
alpha-Humulene	0.2248
Myrcene	0.1272

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #56150

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.0039	0.039	0.000002	0.001
alpha-Bisabolol	0.1125	1.125	0.000003	0.001
alpha-Humulene	0.2248	2.248	0.000002	0.001
alpha-Pinene	0.0509	0.509	0.000001	0.001
alpha-Terpinene	0.0037	0.037	0.000001	0.001
alpha-Terpinolene	0.3291	3.291	0.000004	0.001
beta-caryophyllene	0.676	6.76	0.000004	0.001
beta-Pinene	0.0489	0.489	0.000002	0.001
Camphene	0.0092	0.092	0.000001	0.001
Caryophyllene Oxide	0.06	0.6	0.000011	0.001
Eucalyptol	0.0051	0.051	0.000002	0.001
gamma-Terpinene	0.0028	0.028	0.000002	0.001
Geraniol	0.0092	0.092	0.000008	0.003
Guaiol	0.0081	0.081	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.322	3.22	0.000002	0.001
Linalool	0.0639	0.639	0.000003	0.001
Nerolidol	0.0393	0.393	0.000007	0.001
Myrcene	0.1272	1.272	0.000003	0.001
Ocimene	0.0342	0.342	0.000002	0.001
Total Terpenes	**2.1308**	**21.308**		

Callie Chapman
Lab Director
1/16/2025

Rev. 1	Initial Release

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Certificate of Analysis

Client Name: Stone Leaf Cannabis Grow LLC
License Number: CLTV0062

Sample ID: VT15447
Sample Name: MAC 1
Sample Lot: CLTV0062-047-002
Sample Matrix: Flower
Date Received: 11/12/2024
Date Reported: 11/19/2024
Date Tested: 11/14/2024

Pathogens — PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #49191

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
11/19/2024

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Certificate of Analysis

Client Name: Stone Leaf Cannabis Grow LLC
License Number: CLTV0062

Sample ID: VT15445
Sample Name: Harvest Lot 047
Sample Lot: CLTV0062-047
Sample Matrix: Flower
Date Received: 11/12/2024
Date Reported: 11/19/2024
Date Tested: 11/14/2024

Pesticides — Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) **- Limit units: ppm** | Test ID: #49185

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
11/19/2024

Rev. 1	Initial Release

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Certificate of Analysis

Client Name: Treetop Alchemy
License Number: MANU0096

Sample ID: VT16927
Sample Name: Food grade rosin
Sample Lot: MANU0096-TP-23
Sample Matrix: Mechanical Extraction Concentrates
Date Received: 12/23/2024
Date Reported: 12/27/2024
Date Tested: 12/26/2024

Total Cannabinoids

	%	mg/g
Total THC:	**63.368**	**633.681**
Total CBD:	**--**	**--**
Total Cannabinoids:	**70.255**	**702.547**

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: #55005

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	1.1559	11.559	0.0003	0.0040
CBCA	ND	ND	0.0002	0.0040
CBD	< LOQ	< LOQ	0.0008	0.0040
CBDA	ND	ND	0.0002	0.0040
CBDV	ND	ND	0.0008	0.0040
CBDVA	ND	ND	0.0001	0.0040
CBG	4.516	45.16	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
CBN	0.504	5.04	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	ND	ND	0.0012	0.0040
D9 THC	62.8665	628.665	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	0.5719	5.719	0.0002	0.0040
THCV	0.6404	6.404	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman
Lab Director
12/27/2024

Rev. 1	Initial Release

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ONWARD ANALYTICS
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Certificate of Analysis

Client Name: Treetop Alliance
License Number: CLTV0249

Sample ID: VT4254
Sample Name: GMO Rootbeer
Sample Lot: CLTV0249-01
Sample Matrix: Flower
Date Received: 10/18/2023
Date Reported: 10/25/2023
Date Tested: 10/23/2023

Pathogens — PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #10791

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
10/25/2023

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ONWARD ANALYTICS
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Certificate of Analysis

Client Name: Treetop Alliance
License Number: CLTV0249

Sample ID: VT4258
Sample Name: HL01: GM, RB, SG & GMORB
Sample Lot: CLTV0249-01
Sample Matrix: Flower
Date Received: 10/18/2023
Date Reported: 10/25/2023
Date Tested: 10/20/2023

Pesticides

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #10804

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

Callie Chapman
Lab Director
10/25/2023

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