



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

Certificate of Analysis



Client Name: Gaston Weed Company
License Number: MANU0044



Sample ID: VT14588

Sample Name: Loosen Up 1:1

Sample Lot: MANU0044-151-GFLU

Sample Matrix: Solvent Extraction Concentrates

Date Received: 10/24/2024

Date Reported: 10/30/2024

Date Tested: 10/28/2024



Total Cannabinoids

	%	mg/g
Total THC:	37.241	372.406
Total CBD:	41.205	412.047
Total Cannabinoids:	83.312	833.117

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: #45783

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.7543	7.543	0.0003	0.0040
CBCA	ND	ND	0.0002	0.0040
CBD	41.2047	412.047	0.0008	0.0040
CBDA	ND	ND	0.0002	0.0040
CBDV	< LOQ	< LOQ	0.0008	0.0040
CBDVA	ND	ND	0.0001	0.0040
CBG	2.3954	23.954	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
CBN	0.5885	5.885	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	ND	ND	0.0012	0.0040
D9 THC	37.2406	372.406	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	ND	ND	0.0002	0.0040
THCV	1.1282	11.282	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

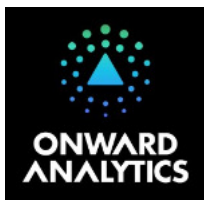
Callie Chapman

Callie Chapman
Lab Director
10/30/2024

Rev. 1 Initial Release

In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgments based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.





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Client Name: Gaston Weed Company

License Number: MANU0044



Sample ID: VT10892

Sample Name: CBD Distillate

Sample Lot: Manu0044-120-CBD

Sample Matrix: Solvent Extraction Concentrates

Date Received: 6/21/2024

Date Reported: 6/28/2024

Date Tested: 6/26/2024



Total Cannabinoids

	%	mg/g
Total THC:	2.812	28.119
Total CBD:	68.226	682.264
Total Cannabinoids:	74.087	740.872

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: #32658

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	0.0003	0.0040
CBCA	ND	ND	0.0002	0.0040
CBD	68.2264	682.264	0.0008	0.0040
CBDA	ND	ND	0.0002	0.0040
CBDV	< LOQ	< LOQ	0.0008	0.0040
CBDVA	ND	ND	0.0001	0.0040
CBG	3.0489	30.489	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
CBN	< LOQ	< LOQ	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	ND	ND	0.0012	0.0040
D9 THC	2.8119	28.119	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	ND	ND	0.0002	0.0040
THCV	ND	ND	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman
Lab Director
6/28/2024

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Certificate of Analysis

Client Name: Gaston Weed Company
License Number: MANU0044

Sample ID: VT12764
Sample Name: Distillate
Sample Lot: MANU0044-141
Sample Matrix: Solvent Extraction Concentrates
Date Received: 8/28/2024
Date Reported: 9/5/2024
Date Tested: 9/4/2024



Heavy Metals **PASS**

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - **Limit units: ppm** | Test ID: #38996

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Arsenic	PASS	< LOQ	1.500	0.0000260	0.00050
Cadmium	PASS	< LOQ	0.500	0.0000004	0.00050
Lead	PASS	< LOQ	1.000	0.0000190	0.00050
Mercury	PASS	< LOQ	1.500	0.0000039	0.00050



Callie Chapman

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Lab Director
9/5/2024

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License Number: MANU0044

Sample ID: VT12764
Sample Name: Distillate
Sample Lot: MANU0044-141
Sample Matrix: Solvent Extraction Concentrates
Date Received: 8/28/2024
Date Reported: 9/5/2024
Date Tested: 9/3/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #38995

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00944	0.03114
Abamectin B1b	Pass	ND	0.10000	0.00034	0.00113
Acephate	Pass	ND	0.10000	0.00404	0.01333
Acequinocyl	Pass	ND	0.10000	0.02821	0.09310
Azoxystrobin	Pass	ND	0.10000	0.00298	0.00983
Bifenazate	Pass	ND	0.10000	0.00129	0.00427
Bifenthrin	Pass	ND	3.00000	0.01005	0.03317
Carbaryl	Pass	ND	0.50000	0.00402	0.01325
Chlorpyrifos	Pass	ND	0.04000	0.00403	0.01329
Cypermethrin	Pass	ND	1.00000	0.01010	0.03333
Etoxazole	Pass	ND	0.10000	0.00404	0.01333
Imazalil	Pass	ND	0.04000	0.01073	0.03539
Imidacloprid	Pass	ND	5.00000	0.00401	0.01323
Myclobutanil	Pass	ND	0.10000	0.00308	0.01016
Spinosyn A	Pass	ND	0.10000	0.00312	0.01029
Spinosyn D	Pass	ND	0.10000	0.00083	0.00273
Pyrethrins	Pass	ND	0.50000	0.00022	0.00072
				0.00498 *	0.00015 *

* Pyrethrins action limit represents sum of isomers I & II

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Lab Director
9/5/2024

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Sample ID: VT12764
Sample Name: Distillate
Sample Lot: MANU0044-141
Sample Matrix: Solvent Extraction Concentrates
Date Received: 8/28/2024
Date Reported: 8/30/2024
Date Tested: 8/29/2024



Total Cannabinoids		
	%	mg/g
Total THC:	84.914	849.135
Total CBD:	3.694	36.938
Total Cannabinoids:	97.275	972.750

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: #38993

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	1.8935	18.935	0.0003	0.0040
CBCA	ND	ND	0.0002	0.0040
CBD	3.6938	36.938	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	2.8338	28.338	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
CBN	1.0337	10.337	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	ND	ND	0.0012	0.0040
D9 THC	84.9135	849.135	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	ND	ND	0.0002	0.0040
THCV	2.9067	29.067	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman

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Lab Director
8/30/2024
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Sample Name: Distillate

Sample Lot: MANU0044-141

Sample Matrix: Solvent Extraction Concentrates

Date Received: 8/28/2024

Date Reported: 9/5/2024

Date Tested: 9/4/2024



Residual Solvents

Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-OA) - **Limit units: µg/g** | Test ID: #38994

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Acetone	Pass	< LOQ	5000.000	4.730	14.200
Acetonitrile	Pass	< LOQ	410.000	0.480	1.450
Benzene	Pass	< LOQ	2.000	0.020	0.060
Chloroform	Pass	< LOQ	60.000	0.070	0.210
Ethanol	Pass	< LOQ	5000.000	6.010	18.040
Heptanes (total)	Pass	< LOQ	5000.000	5.950	17.840
Hexanes (total)	Pass	< LOQ	0	0.350	1.040
Isopropyl Alcohol	Pass	< LOQ	5000.000	5.910	17.730
Methanol	Pass	< LOQ	3000.000	3.540	10.610
Methylene Chloride	Pass	< LOQ	600.000	6.400	19.190
Toluene	Pass	< LOQ	890.000	1.050	3.160
Xylenes (total)	Pass	< LOQ	2170.000	19.426 14.858 *	58.868 45.024 *

Additional Solvent Analytes					
Propane	Pass	< LOQ	5000.000	5.420	16.260
2-Methylpropane	Pass	< LOQ	5000.000	5.420	16.270
2,2-Dimethylbutane	Pass	< LOQ	5000.000	0.340	1.020
2,3-Dimethylbutane	Pass	< LOQ	5000.000	0.340	1.030
n-Butane	Pass	< LOQ	0	5.390	16.160
2-Methylpentane	Pass	< LOQ	5000.000	0.340	1.030
3-Methylpentane	Pass	< LOQ	5000.000	0.680	2.050
Isopentane	Pass	< LOQ	5000.000	5.890	17.670
n-Pentane	Pass	< LOQ	5000.000	5.900	17.700
Neopentane	Pass	< LOQ	5000.000	11.870	35.620

* Xylenes action limit represents sum of m,p-Xylene and o-Xylene

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