



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: VT22010

Sample Name: VT Sour Diesel

Sample Lot: MANU0044-203-HTVTS

Sample Matrix: Solvent Extraction Concentrates

Date Received: 6/25/2025

Date Reported: 7/2/2025

Date Tested: 6/26/2025



Total Cannabinoids

	%	mg/g
Total THC:	83.261	832.614
Total CBD:	--	--
Total Cannabinoids:	88.275	882.749

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: #71949

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.8839	8.839	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	2.1356	21.356	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
CBN	1.994	19.94	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	< LOQ	< LOQ	0.0012	0.0040
D9 THC	83.2614	832.614	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	ND	ND	0.0002	0.0040
THCV	< LOQ	< LOQ	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman

Callie Chapman
Lab Director
7/2/2025

Rev. 1 Initial Release

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Date Received: 6/25/2025

Date Reported: 7/2/2025

Date Tested: 6/26/2025



Total Terpenes (%) : 3.2129

Dominant Terpenes (%)

beta-caryophyllene	0.8098
Limonene	0.6809
Myrcene	0.4845
Linalool	0.4372
alpha-Pinene	0.2131

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #71950

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.0437	0.437	0.000002	0.001
alpha-Bisabolol	0.0923	0.923	0.000003	0.001
alpha-Humulene	0.1007	1.007	0.000002	0.001
alpha-Pinene	0.2131	2.131	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0777	0.777	0.000004	0.001
beta-caryophyllene	0.8098	8.098	0.000004	0.001
beta-Pinene	0.1516	1.516	0.000002	0.001
Camphene	0.0245	0.245	0.000001	0.001
Caryophyllene Oxide	0.0969	0.969	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	0.6809	6.809	0.000002	0.001
Linalool	0.4372	4.372	0.000003	0.001
Nerolidol	ND	ND	0.000007	0.001
Myrcene	0.4845	4.845	0.000003	0.001
Ocimene	ND	ND	0.000002	0.001
Total Terpenes	3.2129	32.129		

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Lab Director
7/2/2025

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Certificate of Analysis



Client Name: Gaston Weed Company

License Number: MANU0044



Sample ID: VT20128

Sample Name: Distillate

Sample Lot: MANU0044-203

Sample Matrix: Solvent Extraction Concentrates

Date Received: 4/10/2025

Date Reported: 4/17/2025

Date Tested: 4/14/2025



Total Cannabinoids

	%	mg/g
Total THC:	86.138	861.377
Total CBD:	--	--
Total Cannabinoids:	91.346	913.461

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: #65631

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.9601	9.601	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	2.1537	21.537	0.0009	0.0040
CBGA	ND	ND	0.0001	0.0040
CBN	2.0946	20.946	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	ND	ND	0.0012	0.0040
D9 THC	86.1377	861.377	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	ND	ND	0.0002	0.0040
THCV	< LOQ	< LOQ	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

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Lab Director
4/17/2025

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Sample ID: VT20128

Sample Name: Distillate

Sample Lot: MANU0044-203

Sample Matrix: Solvent Extraction Concentrates

Date Received: 4/10/2025

Date Reported: 4/17/2025

Date Tested: 4/16/2025



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: #65632

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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Lab Director
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Sample ID: VT20128

Sample Name: Distillate

Sample Lot: MANU0044-203

Sample Matrix: Solvent Extraction Concentrates

Date Received: 4/10/2025

Date Reported: 4/17/2025

Date Tested: 4/16/2025



Pesticides

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #65633

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	0.00072
				0.00498 *	0.00015 *

* Pyrethrins action limit represents sum of isomers I & II

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Sample Matrix: Solvent Extraction Concentrates
Date Received: 4/10/2025
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Date Tested: 4/16/2025



Heavy Metals **PASS**

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - **Limit units: ppm** | Test ID: #65634

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



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