



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: VT4006
Sample Name: Sour Apple
Sample Lot: MANU004-0030-SA
Sample Matrix: Solvent Extraction Concentrates
Date Received: 10/11/2023
Date Reported: 10/18/2023
Date Tested: 10/11/2023



Total Cannabinoids		
	%	mg/g
Total THC:	66.561	665.614
Total CBD:	--	--
Total Cannabinoids:	69.556	695.557

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: #9740

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	< LOQ	< LOQ	0.0003	0.0040
CBCA	ND	ND	0.0002	0.0040
CBD	ND	ND	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	0.7098	7.098	0.0009	0.0040
CBGA	< LOQ	< LOQ	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	50.2726	502.726	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	18.5733	185.733	0.0002	0.0040
THCV	ND	ND	0.0016	0.0049
THCVA	ND	ND	0.0002	0.0040

Callie Chapman
 Lab Director
 10/18/2023

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Total Terpenes (%) : 4.2306

Dominant Terpenes (%)	
alpha-Humulene	0.7411
Linalool	0.4545
alpha-Terpinolene	0.3719
Nerolidol	0.3481
alpha-Bisabolol	0.3481

Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #9750

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	0.0919	0.919	0.000	0.002
alpha-Bisabolol	0.3481	3.481	0.000	0.002
alpha-Humulene	0.7411	7.411	0.000	0.002
alpha-Pinene	0.1601	1.601	0.000	0.002
alpha-Terpinene	ND	ND	0.000	0.002
alpha-Terpinolene	0.3719	3.719	0.000	0.002
beta-Pinene	0.1133	1.133	0.000	0.002
Camphene	0.1051	1.051	0.000	0.002
Caryophyllene Oxide	0.2234	2.234	0.000	0.002
Cineole	ND	ND	0.000	0.002
gamma-Terpinene	0.0953	0.953	0.000	0.002
Geraniol	ND	ND	0.000	0.002
Guaiol	0.1481	1.481	0.000	0.002
Isopulegol	ND	ND	0.000	0.002
Isopropyl Toluene	ND	ND	0.000	0.002
Limonene	0.3357	3.357	0.000	0.002
Linalool	0.4545	4.545	0.000	0.002
Nerolidol	0.3481	3.481	0.000	0.002
Myrcene	0.3232	3.232	0.000	0.002
Ocimene	0.1961	1.961	0.000	0.002
trans-Caryophyllene	0.1747	1.747	0.000	0.002
Total Terpenes	4.2306	42.306		

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Date Tested: 10/12/2023



Residual Solvents Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-0A) - **Limit units: µg/g** | Test ID: #9741

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Acetone	Pass	< LOQ	5000.000	17.008	51.538
Acetonitrile	Pass	< LOQ	410.000	4.017	12.172
Benzene	Pass	< LOQ	2.000	0.163	0.495
Chloroform	Pass	< LOQ	60.000	0.489	1.482
Ethanol	Pass	< LOQ	5000.000	44.183	133.887
Heptanes (total)	Pass	< LOQ	5000.000	62.270	188.696
Hexanes (total)	Pass	< LOQ	290.000	1.322	4.005
Isopropyl Alcohol	Pass	< LOQ	5000.000	2.364	7.162
Methanol	Pass	< LOQ	3000.000	27.126	82.201
Methylene Chloride	Pass	< LOQ	600.000	4.046	12.260
Toluene	Pass	< LOQ	890.000	6.317	19.143
Xylenes (total)	Pass	< LOQ	2170.000	19.426 14.858 *	58.868 45.024 *

Additional Solvent Analytes

Propane	Pass	< LOQ	5000.000	110.712	335.490
2-Methylpropane	Pass	< LOQ	5000.000	150.773	456.887
2,2-Dimethylbutane	Pass	< LOQ	5000.000	2.869	8.693
2,3-Dimethylbutane	Pass	< LOQ	5000.000	1.944	5.892
n-Butane	Pass	< LOQ	5000.000	152.350	461.667
2-Methylpentane	Pass	< LOQ	5000.000	1.664	5.042
3-Methylpentane	Pass	< LOQ	5000.000	2.056	6.231
Isopentane	Pass	< LOQ	5000.000	137.828	417.661
n-Pentane	Pass	< LOQ	5000.000	136.677	414.172
Neopentane	Pass	< LOQ	5000.000	28.431	86.154

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

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 Lab Director
 10/18/2023

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Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #9742

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	0.00011	0.00110
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	0.00072
				0.00498 *	0.00015 *

* Pyrethrins action limit represents sum of isomers I & II

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Date Tested: 10/16/2023



Heavy Metals PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - Limit units: ppm | Test ID: #9743

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Arsenic	PASS	< LOQ	1.500	0.0013000	0.05000
Cadmium	PASS	< LOQ	0.500	0.0000200	0.05000
Lead	PASS	< LOQ	1.000	0.0009500	0.05000
Mercury	PASS	< LOQ	1.500	0.0002000	0.05000

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