

## **Certificate of Analysis**

2

Client Name: Gaston Weed Company

License Number: MANU0044

Sample ID: VT14498

Sample Name: Sour Apple Sample Lot: MANU0044-147

Sample Matrix: Solvent Extraction Concentrates

**Date Received:** 10/22/2024 **Date Reported:** 11/1/2024 **Date Tested:** 10/24/2024



Total Cannabinoids						
% mg/g						
Total THC:	64.627	646.267				
Total CBD:						
Total Cannabinoids:	75.754	757.540				

Total theoretical CBD % = (CBD%) + (CBDA% \* 0.877)
Total theoretical THC % = (delta-9-THC%) + (THCA% \* 0.877)

### **Potency**

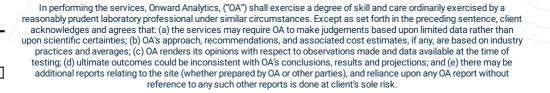
Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-0A) | Test ID: #45469

	Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
ı	CBC	ND	ND	0.0003	0.0040
	CBCA	0.6813	6.813	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	< LOQ	< LOQ	0.0009	0.0040
	CBGA	0.9646	9.646	0.0001	0.0040
	CBN	ND	ND	0.0004	0.0040
	CBNA	ND	ND	0.0002	0.0040
	D8 THC	ND	ND	0.0012	0.0040
	D9 THC	1.1162	11.162	0.0016	0.0049
	D10 THC	< LOQ	< LOQ	0.0004	0.0040
	THCA	72.4179	724.179	0.0002	0.0040
	THCV	ND	ND	0.0016	0.0049
	THCVA	0.574	5.74	0.0002	0.0040

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### **Total Terpenes (%): 5.7466**

Dominant Terpenes (%)				
beta-caryophyllene	2.3422			
Myrcene	1.1215			
alpha-Humulene	0.6785			
Limonene	0.3968			
Guaiol	0.2406			

### Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-0A) | Test ID: #45472

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.1411	1.411	0.000003	0.001
alpha-Humulene	0.6785	6.785	0.000002	0.001
alpha-Pinene	0.1717	1.717	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	< LOQ	< LOQ	0.000004	0.001
beta-caryophyllene	2.3422	23.422	0.000004	0.001
beta-Pinene	0.1322	1.322	0.000002	0.001
Camphene	< LOQ	< LOQ	0.000001	0.001
Caryophyllene Oxide	0.0809	0.809	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	0.2406	2.406	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.00003	0.001
Limonene	0.3968	3.968	0.000002	0.001
Linalool	0.2314	2.314	0.000003	0.001
Nerolidol	0.1808	1.808	0.000007	0.001
Myrcene	1.1215	11.215	0.000003	0.001
Ocimene	0.0289	0.289	0.000002	0.001
Total Terpenes	5.7466	57.466		

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Callie Chapman Lab Director 11/1/2024

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**Date Received:** 10/22/2024 **Date Reported:** 11/1/2024 **Date Tested:** 10/31/2024



#### **Residual Solvents**

#### **Pass**

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-OA) - Limit units:  $\mu g/g \mid \text{Test ID}$ : #45470

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

<sup>\*</sup> Xylenes action limit represents sum of m,p-Xylene and o-Xylene

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**Date Received:** 10/22/2024 **Date Reported:** 11/1/2024 **Date Tested:** 10/24/2024



### **Heavy Metals**

**PASS** 

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-0A) - Limit units: ppm | Test ID: #45471

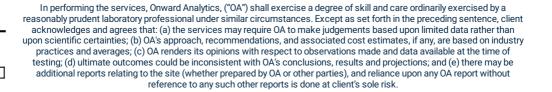
Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Arsenic	PASS	< LOQ	1.500	0.0000260	0.00050
Cadmium	PASS	< LOQ	0.500	0.000004	0.00050
Lead	PASS	< LOQ	1.000	0.0000190	0.00050
Mercury	PASS	< LOQ	1.500	0.0000039	0.00050



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**Date Received:** 10/22/2024 **Date Reported:** 11/19/2024 **Date Tested:** 11/18/2024



Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MSMS; SOP-070-0A) - Limit units: ppm | Test | D: #49333

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 *

<sup>\*</sup> Pyrethrins action limit represents sum of isomers I & II



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