



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:** VT19890

**Sample Name:** Rainbow Belts

**Sample Lot:** MANU0044-194-RB

**Sample Matrix:** Solvent Extraction Concentrates

**Date Received:** 4/3/2025

**Date Reported:** 4/11/2025

**Date Tested:** 4/9/2025



## Total Cannabinoids

	%	mg/g
<b>Total THC:</b>	<b>59.906</b>	<b>599.061</b>
<b>Total CBD:</b>	--	--
<b>Total Cannabinoids:</b>	<b>72.472</b>	<b>724.720</b>

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: #64907

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	0.0003	0.0040
CBCA	1.572	15.72	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	ND	ND	0.0009	0.0040
CBGA	2.7671	27.671	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	1.2484	12.484	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	66.8845	668.845	0.0002	0.0040
THCV	ND	ND	0.0016	0.0049
THCVA	< LOQ	< LOQ	0.0002	0.0040

Callie Chapman  
Lab Director  
4/11/2025

Rev. 1 Initial Release

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**Total Terpenes (%) : 9.4091**

## Dominant Terpenes (%)

beta-caryophyllene	2.4998
Myrcene	1.9997
Limonene	1.6922
alpha-Humulene	0.7937
alpha-Pinene	0.5764

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #64911

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.4488	4.488	0.000003	0.001
alpha-Humulene	0.7937	7.937	0.000002	0.001
alpha-Pinene	0.5764	5.764	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0304	0.304	0.000004	0.001
beta-caryophyllene	2.4998	24.998	0.000004	0.001
beta-Pinene	0.4178	4.178	0.000002	0.001
Camphepane	0.0366	0.366	0.000001	0.001
Caryophyllene Oxide	0.1143	1.143	0.000011	0.001
Eucalyptol	0.0195	0.195	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	0.225	2.25	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	1.6922	16.922	0.000002	0.001
Linalool	0.2661	2.661	0.000003	0.001
Nerolidol	0.1393	1.393	0.000007	0.001
Myrcene	1.9997	19.997	0.000003	0.001
Ocimene	0.1495	1.495	0.000002	0.001
<b>Total Terpenes</b>	<b>9.4091</b>	<b>94.091</b>		

Callie Chapman  
Lab Director  
4/14/2025

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## Heavy Metals

**PASS**

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - **Limit units: ppm** | Test ID: #64910

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

ONWARD  
ANALYTICS

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Lab Director  
4/11/2025

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## Pesticides

### Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #64909

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

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## 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: #64908

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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