



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:** OA1452  
**Sample Name:** Gelato  
**Sample Lot:**  
**Sample Matrix:** Solvent Extraction Concentrates  
**Date Received:** 4/26/2023  
**Date Reported:** 5/3/2023



## Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #2691

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBDV	ND	ND	0.0008	0.0040
CBDVA	ND	ND	0.0001	0.0040
THCV	ND	ND	0.0016	0.0049
CBDA	ND	ND	0.0002	0.0040
CBD	ND	ND	0.0008	0.0040
CBG	ND	ND	0.0009	0.0040
CBGA	< LOQ	< LOQ	0.0001	0.0040
THCVA	ND	ND	0.0002	0.0040
CBN	ND	ND	0.0004	0.0040
CBCVA	ND	ND	0.0004	0.0040
D9 THC	40.8792	408.792	0.0016	0.0049
D8 THC	ND	ND	0.0012	0.0040
CBNA	ND	ND	0.0002	0.0040
D10 THC	ND	ND	0.0004	0.0040
CBC	ND	ND	0.0003	0.0040
THCA	33.5097	335.097	0.0002	0.0040
BCA	ND	ND	0.0002	0.0040

Total Cannabinoids		
	%	mg/g
Total THC:	70.267	702.672
Total Cannabinoids:	74.389	743.889

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

Callie Chapman  
 Lab Director  
 5/3/2023

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## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #2696

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
α-Pinene	0.4659	4.659	0.004	0.013
Camphene	ND	ND	0.003	0.009
β-Pinene	ND	ND	0.004	0.013
Myrcene	< LOQ	< LOQ	0.004	0.014
3-Carene	ND	ND	0.003	0.009
α-Terpinene	ND	ND	0.004	0.025
Isopropyl Toluene	ND	ND	0.005	0.016
Limonene	1.2482	12.482	0.004	0.012
Cineole	ND	ND	0.003	0.009
Ocimene	ND	ND	0.004	0.012
gamma-Terpinene	ND	ND	0.005	0.015
α-Terpinolene	ND	ND	0.005	0.014
Linalool	0.4022	4.022	0.005	0.014
Isopulegol	ND	ND	0.004	0.012
Geraniol	ND	ND	0.011	0.034
trans-Caryophyllene	3.4705	34.705	0.004	0.013
α-Humulene	1.3354	13.354	0.003	0.009
Nerolidol	ND	ND	0.011	0.034
Caryophyllene Oxide	ND	ND	0.006	0.017
Guaiol	ND	ND	0.003	0.009
α-Bisabolol	ND	ND	0.005	0.014
<b>Total Terpenes</b>	<b>6.9222</b>	<b>69.222</b>		

## Pesticides

Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test ID: #2693

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	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 0.00498 *	0.00072 0.00015 *

\* Pyrethrins action limit represents sum of isomers I & II

## Mycotoxins

Pass

Mycotoxins (LC-MSMS + GC-MSMS; SOP-070-OA + SOP-073-OA) - Limit units: ug/g = ppm | Test ID: #2695

Analyte	Pass/Fail	Result (ppm)	Limit (ppm)	LOD (ppm)	LOQ (ppm)
Aflatoxin-B1	PASS	ND	0.00100	0.00025	0.00250
Aflatoxin-B2	PASS	ND	0.00100	0.00025	0.00250
Aflatoxin-G1	PASS	ND	0.00100	0.00025	0.00250
Aflatoxin-G2	PASS	ND	0.00100	0.00025	0.00250
Ochratoxin	PASS	ND	0.00100	0.00025	0.00250

Callie Chapman  
 Lab Director  
 5/3/2023

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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: #2692

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

## Heavy Metals PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - Limit units: µg/kg | Test ID: #2694

Analyte	Pass/Fail	Result (ug/kg)	Limit	LOD (ug/kg)	LOQ (ug/kg)
Arsenic	PASS	< LOQ	1.500	0.00130	0.050
Cadmium	PASS	< LOQ	0.500	0.00002	0.050
Lead	PASS	0.138	1.000	0.00095	0.050
Mercury	PASS	< LOQ	1.500	0.00020	0.050

## Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #2697

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS

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