

Certificate of Analysis

2

Client Name: Gaston Weed Company

License Number: MANU0044

Sample ID: VT20266

Sample Name: GMO x Rootbeer
Sample Lot: MANU0044-197-GRB

Sample Matrix: Solvent Extraction Concentrates

Date Received: 4/16/2025 **Date Reported:** 4/28/2025 **Date Tested:** 4/17/2025



Total Cannabinoids						
% mg/g						
Total THC:	61.883	618.830				
Total CBD:						
Total Cannabinoids:	74.458	744.583				

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

Potency

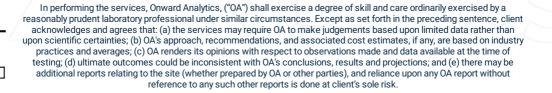
Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-0A) | Test ID: #66150

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	0.0003	0.0040
CBCA	1.1398	11.398	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	< LOQ	< LOQ	0.0009	0.0040
CBGA	2.6205	26.205	0.0001	0.0040
CBN	ND	ND	0.0004	0.0040
CBNA	ND	ND	0.0002	0.0040
D8 THC	< LOQ	< LOQ	0.0012	0.0040
D9 THC	2.71	27.1	0.0016	0.0049
D10 THC	ND	ND	0.0004	0.0040
THCA	67.4721	674.721	0.0002	0.0040
THCV	ND	ND	0.0016	0.0049
THCVA	0.5159	5.159	0.0002	0.0040

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Total Terpenes (%): 8.3958

Dominant Terpenes (%)				
beta-caryophyllene	2.1803			
Limonene	2.0472			
Myrcene	2.0333			
alpha-Humulene	0.7784			
beta-Pinene	0.286			

Terpenes

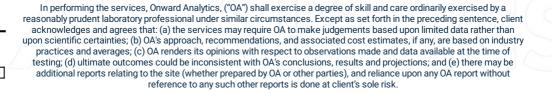
Standard terpene analysis utilizing Gas Chromatography - Mass Spectrometry (GC-MS; SOP-069-0A) | Test ID: #66154

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)	
3-Carene	ND	ND	0.000002	0.001	
alpha-Bisabolol	0.239	2.39	0.000003	0.001	
alpha-Humulene	0.7784	7.784	0.000002	0.001	
alpha-Pinene	0.183	1.83	0.000001	0.001	
alpha-Terpinene	ND	ND	0.000001	0.001	
alpha-Terpinolene	0.0298	0.298	0.000004	0.001	
beta-caryophyllene	2.1803	21.803	0.000004	0.001	
beta-Pinene	0.286	2.86	0.000002	0.001	
Camphene	0.0392	0.392	0.000001	0.001	
Caryophyllene Oxide	0.0823	0.823	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	2.0472	20.472	0.000002	0.001	
Linalool	0.1734	1.734	0.000003	0.001	
Nerolidol	0.122	1.22	0.00007	0.001	
Myrcene	2.0333	20.333	0.000003	0.001	
Ocimene	0.2019	2.019	0.000002	0.001	
Total Terpenes	8.3958	83.958			

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Date Received: 4/16/2025 **Date Reported:** 4/28/2025 **Date Tested:** 4/21/2025



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: #66151

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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In performing the services, Onward Analytics, ("OA") shall exercise a degree of skill and care ordinarily exercised by a reasonably prudent laboratory professional under similar circumstances. Except as set forth in the preceding sentence, client acknowledges and agrees that: (a) the services may require OA to make judgements based upon limited data rather than upon scientific certainties; (b) OA's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (c) OA renders its opinions with respect to observations made and data available at the time of testing; (d) ultimate outcomes could be inconsistent with OA's conclusions, results and projections; and (e) there may be additional reports relating to the site (whether prepared by OA or other parties), and reliance upon any OA report without reference to any such other reports is done at client's sole risk.





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Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MSMS; SOP-070-OA) - Limit units: ppm | Test | D: #66152

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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Heavy Metals

PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-0A) - Limit units: ppm | Test ID: #66153

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	0.000039	0.00050







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