



261 Mountain View Dr  
 Colchester, VT 05446  
 License #: TLAB0030  
 802-767-7256  
 info@onwardanalytics.biz

# Certificate of Analysis

**Client Name:** Green Mountain Scientific Corp.  
**License Number:** MANU0019

**Sample ID:** VT10169  
**Sample Name:** NanoGx-50-ING  
**Sample Lot:** 19242081101  
**Sample Matrix:** Tinctures  
**Date Received:** 5/22/2024  
**Date Reported:** 5/31/2024  
**Date Tested:** 5/29/2024



Total Cannabinoids				
	%	mg/g	mg/mL	mg/unit
<b>Total THC:</b>	<b>5.253</b>	<b>52.531</b>	<b>53.913</b>	--
<b>Total CBD:</b>	--	--	--	--
<b>Total Cannabinoids:</b>	<b>6.151</b>	<b>61.509</b>	<b>63.125</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: #30413

Analyte	%	mg/g	mg/mL	mg/unit	LOD (mg/g)	LOQ (mg/g)
CBC	0.0501	0.501	0.514	0.00	0.0003	0.0040
CBCA	ND	ND	ND	ND	0.0002	0.0040
CBD	< LOQ	< LOQ	< LOQ	<LOQ	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	0.2598	2.598	2.666	0.00	0.0009	0.0040
CBGA	ND	ND	ND	ND	0.0001	0.0040
CBN	0.0547	0.547	0.561	0.00	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	0.0545	0.545	0.559	0.00	0.0012	0.0040
D9 THC	5.2531	52.531	53.913	0.00	0.0016	0.0049
D10 THC	0.1803	1.803	1.85	0.00	0.0004	0.0040
THCA	< LOQ	< LOQ	< LOQ	<LOQ	0.0002	0.0040
THCV	0.2984	2.984	3.062	0.00	0.0016	0.0049
THCVA	ND	ND	ND	ND	0.0002	0.0040

Callie Chapman  
 Lab Director  
 5/31/2024

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# Certificate of Analysis

**Client Name:** Green Mountain Scientific Corp.  
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**Sample ID:** VT10882  
**Sample Name:** Type I THC-CO2 Distillate  
**Sample Lot:** 1924211  
**Sample Matrix:** Solvent Extraction Concentrates  
**Date Received:** 6/21/2024  
**Date Reported:** 6/28/2024  
**Date Tested:** 6/24/2024



## 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: #32623

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

Callie Chapman  
 Lab Director  
 6/28/2024

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# Certificate of Analysis

**Client Name:** Green Mountain Scientific Corp.  
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**Sample ID:** VT10883  
**Sample Name:** Type I THC-CO2 Distillate  
**Sample Lot:** 1924212  
**Sample Matrix:** Solvent Extraction Concentrates  
**Date Received:** 6/21/2024  
**Date Reported:** 6/28/2024  
**Date Tested:** 6/24/2024



## Heavy Metals PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-OA) - **Limit units: ppm** | Test ID: #32628

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

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# Certificate of Analysis

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**License Number:** MANU0019

**Sample ID:** VT10883  
**Sample Name:** Type I THC-CO2 Distillate  
**Sample Lot:** 1924212  
**Sample Matrix:** Solvent Extraction Concentrates  
**Date Received:** 6/21/2024  
**Date Reported:** 6/28/2024  
**Date Tested:** 6/24/2024



## Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #32627

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00944	0.03114
Abamectin B1b	Pass	ND	0.10000	0.00034	0.00113
Acephate	Pass	ND	0.10000	0.00404	0.01333
Acequinocyl	Pass	ND	0.10000	0.02821	0.09310
Azoxystrobin	Pass	ND	0.10000	0.00298	0.00983
Bifenazate	Pass	ND	0.10000	0.00129	0.00427
Bifenthrin	Pass	ND	3.00000	0.01005	0.03317
Carbaryl	Pass	ND	0.50000	0.00402	0.01325
Chlorpyrifos	Pass	ND	0.04000	0.00403	0.01329
Cypermethrin	Pass	ND	1.00000	0.01010	0.03333
Etoxazole	Pass	ND	0.10000	0.00404	0.01333
Imazalil	Pass	ND	0.04000	0.01073	0.03539
Imidacloprid	Pass	ND	5.00000	0.00401	0.01323
Myclobutanil	Pass	ND	0.10000	0.00308	0.01016
Spinosyn A	Pass	ND	0.10000	0.00312	0.01029
Spinosyn D	Pass	ND	0.10000	0.00083	0.00273
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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 Lab Director  
 6/28/2024

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# Certificate of Analysis

**Client Name:** Full Circle Farm  
**License Number:** CLVT-0051

**Sample ID:** VT4489  
**Sample Name:** Starlink  
**Sample Lot:** CLTV0250-002-003  
**Sample Matrix:** Flower  
**Date Received:** 10/26/2023  
**Date Reported:** 11/3/2023  
**Date Tested:** 10/30/2023



## Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #11723

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

Callie Chapman  
 Lab Director  
 11/3/2023

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