



Twin Arch Farm LLC
 Address: 200 Twin Arch Road, Rock Tavern, NY 12575
 Contact Name: Heather Walsh
 Contact Phone: 8452384461
 License #: OCM-AUCC-22-000040
 Sample ID: 5592



Phyto-Farma Labs
 a Smithers company

CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Certificate: 5592.1

carbon fiber flower

Lot #: MAR24CFGH5 Lot Size: 600
 Sample ID: 5592 Sample Type: Flower
 Regulatory Category: Adult Use Amount Received: 8
 Received: 07/24/2024 Sample Collected: 07/24/2024 11:19 AM
 Sampling Location: 200 Twin Arch Road Published: 08/03/2024
 Rock Tavern, NY 12575



COMPLIANCE FOR RETAIL

Cannabinoid Profile Pass	Terpenes Total Tested	Residual Solvents Not Tested	Pass Sample Status 18.3% Total THC 0.0495% Total CBD 19.0 % Total Cannabinoids
Pesticides Pass	Mycotoxins Pass	Water Activity Pass	
Trace Metals Pass	Microbial Contaminants Pass	Moisture Analysis Pass	
	Filth & Foreign Pass		

Report Notes: N/A

Alicia Caruso-Thomas
 Laboratory Director

08/03/2024
Alicia Caruso-Thomas

Phyto-Farma Labs
 49 John Hicks Drive
 Warwick, NY 10990
 (845) 988-0937



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Average Cannabinoid Profile

Pass

Sample Analysis

Date: 07/31/2024 07:53 PM

SOP: NY.SOPT.40.260

Analyzed By: HPLC

Sample Weight: N/A

Analyst: Destiny Ribadeneyra

Analyte	LOQ (%)	Average % (w/w)	mg/serving	Homogeneity [†]
Total Tetrahydrocannabinol (THC)	-	18.3	641	
Tetrahydrocannabinolic acid (THCA)	0.500	19.9	697	
Δ8-THC	0.500	<LOQ	<LOQ	
Δ9-THC	0.500	0.805	28.2	
Δ10-THC-RS	0.500	<LOQ	<LOQ	
Δ10-THC-RR	0.500	0.0339	1.19	
Total Cannabidiol (CBD)	-	0.0495	1.73	
Cannabinadiolic acid (CBDA)	0.500	0.0564	1.98	
Cannabidiol (CBD)	0.500	<LOQ	<LOQ	
Total Active Tetrahydrocannabivarin (THCV)	-	0.0930	3.26	
Tetrahydrocannabivarinic acid (THCVA)*	0.500	0.107	3.76	
Tetrahydrocannabivarin (THCV)	0.500	<LOQ	<LOQ	
Total Active Cannabigerol (CBG)	-	0.507	17.8	
Cannabigerolic acid (CBGA)	0.500	0.552	19.3	
Cannabigerol (CBG)	0.500	0.0228	0.797	
Cannabidivarin (CBDV)	0.500	0.0529	1.85	
Cannabinol (CBN)	0.500	<LOQ	<LOQ	
Cannabichromene (CBC)	0.500	<LOQ	<LOQ	

Cannabinoid Totals	Actual % (w/w)	mg/serving	Homogeneity [†]
Total Cannabinoids	19.0	665	

* Analyte is not included in ISO 17025 scope of accreditation

† Concentration of individual samples must be ±25% of the mean concentration

Total Active CBD = CBD + (0.877 x CBDA); Total Active CBG = CBG + (0.878 x CBGA);

Total Active THC = (Δ9THC + Δ8THC + Δ10THC-RS + Δ10THC-RR) + (0.877 x THCA);

Total Active THCV = THCV + (0.867 x THCVA);

Serving Weight: 3.5 g

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Terpene Total

Tested (1.190%)

Sample Analysis

Date: 07/30/2024 07:04 PM

SOP: NY.SOPT.40.090

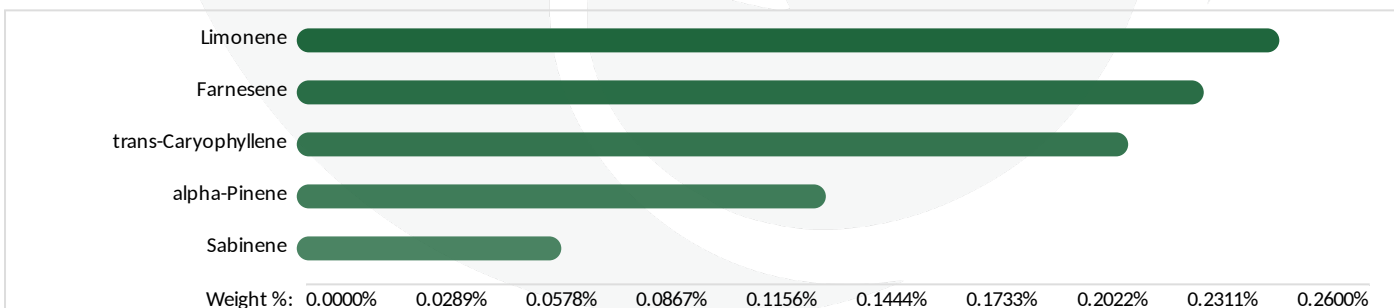
Sample Weight: 0.2014 g

Analyzed By: GC-MS

Analyst: Destiny Ribadeneyra

Analyte	LOQ (%)	Results (%)	Analyte	LOQ (%)	Results (%)
3-Carene	0.0004200	<LOQ	gamma-Terpinene	0.0004400	<LOQ
alpha-Bisabolol	0.0005000	0.03000	gamma-Terpineol	0.0003000	<LOQ
alpha-Humulene	0.0005600	0.05000	Geraniol	0.0004800	<LOQ
alpha-Phellandrene	0.0006600	<LOQ	Geranyl acetate	0.0006200	<LOQ
alpha-Pinene	0.0004800	0.1400	Guaiol	0.0006000	<LOQ
alpha-Terpinene	0.0002600	<LOQ	Isoborneol	0.0003400	0.01000
alpha-Terpineol	0.0003400	0.02000	Isopulegol	0.0006600	<LOQ
beta-Myrcene	0.0006400	0.01000	Limonene	0.0007400	0.2600
beta-Pinene	0.0006600	0.06000	Linalool	0.0004600	0.02000
Borneol	0.0004600	0.01000	Menthol	0.0004600	<LOQ
Camphene	0.0004400	0.01000	Nerol	0.0005000	<LOQ
Camphor	0.0004000	<LOQ	Pulegone (+)	0.0005600	<LOQ
Caryophyllene oxide	0.0005800	0.01000	Sabinene	0.0003400	0.07000
Cedrene	0.0004400	<LOQ	Sabinene Hydrate	0.0004200	<LOQ
Cedrol	0.0005600	<LOQ	Terpinolene	0.0005000	<LOQ
cis-Nerolidol	0.0006800	<LOQ	trans-b-Ocimene	0.0004200	<LOQ
cis-Ocimene	0.0005200	<LOQ	trans-Caryophyllene	0.0006600	0.2200
Eucalyptol	0.0007200	<LOQ	trans-Nerolidol	0.0007200	<LOQ
Farnesene	0.0008400	0.2400	Valencene	0.0005600	<LOQ
Fenchone	0.0005000	<LOQ			

Terpene Totals	%	Pass/Fail
Total Terpenes	1.190	N/A



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Trace Metals

Pass

Sample Analysis

Date: 07/31/2024 11:53 AM

SOP: NY.SOPT.40.050

Analyzed By: ICP-MS

Sample Weight: 0.1218 g

Analyst: Moni Kaneti

Analyte	LOQ (µg/g)	Action Limit (µg/g)	Results (µg/g)	Pass/Fail
Antimony (Sb)*	0.130	2.00	<LOQ	PASS
Arsenic (As)*	0.0700	0.200	<LOQ	PASS
Cadmium (Cd)*	0.0600	0.300	<LOQ	PASS
Chromium (Cr)*	0.360	110	<LOQ	PASS
Copper (Cu)*	0.390	30.0	11.4	PASS
Lead (Pb)*	0.0800	0.500	<LOQ	PASS
Mercury (Hg)*	0.0100	0.100	<LOQ	PASS
Nickel (Ni)*	0.110	5.00	<LOQ	PASS

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Mycotoxin Analysis

Pass

Sample Analysis

Date: 08/02/2024 10:25 AM

SOP: NY.SOPT.40.180

Analyzed By: LC-MS/MS

Sample Weight: 0.1 g

Analyst: Destiny Ribadeneyra

Analyte	LOQ (µg/g)	Action Limit (µg/g)	Results (µg/g)	Pass/Fail
Sum of Aflatoxins	-	0.020	0	PASS
Aflatoxin B1	0.0010	0.020	<LOQ	PASS
Aflatoxin B2	0.0020	0.020	<LOQ	PASS
Aflatoxin G1	0.0010	0.020	<LOQ	PASS
Aflatoxin G2	0.0020	0.020	<LOQ	PASS
Ochratoxin A	0.0020	0.020	<LOQ	PASS

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Pesticides LC

Pass

Sample Analysis

Date: 07/29/2024 03:07 PM

SOP: NY.SOPT.040.270

Analyzed By: LC-MS/MS

Sample Weight: 1 g

Analyst: Stephanie Knapp

Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail	Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail
Abamectin*	0.0180	0.500	<LOQ	PASS	Imidacloprid*	0.00800	0.400	<LOQ	PASS
Acephate*	0.00700	0.400	<LOQ	PASS	Indole-3-butyric acid*	0.00700	1.00	<LOQ	PASS
Acequinocyl*	0.0160	2.00	<LOQ	PASS	Kresoxim methyl*	0.0120	0.400	<LOQ	PASS
Acetamiprid*	0.00500	0.200	<LOQ	PASS	Malathion*	0.0110	0.200	<LOQ	PASS
Aldicarb*	0.00500	0.400	<LOQ	PASS	Metalaxyl*	0.0120	0.200	<LOQ	PASS
Azadirachtin*	0.0220	1.00	<LOQ	PASS	Methiocarb*	0.00400	0.200	<LOQ	PASS
Azoxystrobin*	0.00600	0.200	<LOQ	PASS	Methomyl*	0.0120	0.400	<LOQ	PASS
Bifenazate*	0.00600	0.200	<LOQ	PASS	Mevinphos*	0.0190	1.00	<LOQ	PASS
Bifenthrin*	0.00300	0.200	<LOQ	PASS	MGK-264*	0.0110	0.200	<LOQ	PASS
Boscalid*	0.0110	0.400	<LOQ	PASS	Myclobutanil*	0.0130	0.200	<LOQ	PASS
Carbaryl*	0.00600	0.200	<LOQ	PASS	Naled*	0.00500	0.500	<LOQ	PASS
Carbofuran*	0.00500	0.200	<LOQ	PASS	Oxamyl*	0.00800	1.00	<LOQ	PASS
Chlorantraniliprole*	0.00600	0.200	<LOQ	PASS	Paclobutrazol*	0.0150	0.400	<LOQ	PASS
Chloromequat chloride*	0.0190	1.00	<LOQ	PASS	Permethrins, Total*	0.00900	0.200	<LOQ	PASS
Chlorpyrifos*	0.00900	0.200	<LOQ	PASS	Phosmet*	0.00700	0.200	<LOQ	PASS
Clofentezine*	0.0100	0.200	<LOQ	PASS	Piperonyl Butoxide*	0.00600	2.00	<LOQ	PASS
Daminozide*	0.00400	1.00	<LOQ	PASS	Prallethrin*	0.00800	0.200	<LOQ	PASS
Diazinon*	0.00700	0.200	<LOQ	PASS	Propiconazole*	0.00600	0.400	<LOQ	PASS
Dichlorvos*	0.0120	1.00	<LOQ	PASS	Propoxur*	0.00800	0.200	<LOQ	PASS
Dimethoate*	0.00600	0.200	<LOQ	PASS	Pyrethrins*	0.0140	1.00	<LOQ	PASS
Dimethomorph*	0.00500	1.00	<LOQ	PASS	Pyridaben*	0.00600	0.200	<LOQ	PASS
Ethoprophos*	0.0130	0.200	<LOQ	PASS	Spinetoram, Total*	0.00500	1.00	<LOQ	PASS
Etofenprox*	0.00300	0.400	<LOQ	PASS	Spinosad, Total*	0.00600	0.200	<LOQ	PASS
Etoxazole*	0.00500	0.200	<LOQ	PASS	Spiromesifen*	0.0130	0.200	<LOQ	PASS
Fenhexamid*	0.0150	1.00	<LOQ	PASS	Spirotetramat*	0.00600	0.200	<LOQ	PASS
Fenoxycarb*	0.0110	0.200	<LOQ	PASS	Spiroxamine*	0.00400	0.200	<LOQ	PASS
Fenpyroximate*	0.00200	0.400	<LOQ	PASS	Tebuconazole*	0.0120	0.400	<LOQ	PASS
Flonicamid*	0.00700	1.00	<LOQ	PASS	Thiacloprid*	0.00800	0.200	<LOQ	PASS
Fludioxonil*	0.0170	0.400	<LOQ	PASS	Thiamethoxam*	0.00800	0.200	<LOQ	PASS
Hexythiazox*	0.00500	1.00	<LOQ	PASS					

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Pesticides GC

Pass

Sample Analysis

Date: 07/29/2024 06:19 PM

SOP: NYS.SOPT.040.271

Analyzed By: GC-MS/MS

Sample Weight: N/A

Analyst: Stephanie Knapp

Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail
Captan*	0.300	1.00	<LOQ	PASS
Chlordane*	0.0700	1.00	<LOQ	PASS
Chlorfenapyr*	0.100	1.00	<LOQ	PASS
Coumaphos*	0.190	1.00	<LOQ	PASS
Cyfluthrin*	0.110	1.00	<LOQ	PASS
Cypermethrin*	0.240	1.00	<LOQ	PASS
Fipronil*	0.170	0.400	<LOQ	PASS
Imazalil*	0.170	0.200	<LOQ	PASS
Methyl parathion*	0.0900	0.200	<LOQ	PASS
Pentachloronitrobenzene*	0.170	1.00	<LOQ	PASS
Trifloxystrobin*	0.110	0.200	<LOQ	PASS

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Alicia Caruso-Thomas

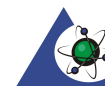
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Microbial Impurities - MDG

Pass

Sample Analysis

Date: 07/26/2024 05:22 PM

SOP: NYS.SOPT.40.273

Analyzed By: PCR

Analyst: Kristy Lee

Analyte	Microbial Type	LOQ (CFU/g)	Allowable Limit	Results	Pass/Fail
Shiga toxin-producing Escherichia coli	Bacterial	1	Not Detected	Not Detected	PASS
Salmonella species	Bacterial	1	Not Detected	Not Detected	PASS
Aspergillus flavus	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus niger	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus terreus	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus fumigatus	Fungal	1	Not Detected	Not Detected	PASS

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Microbial Impurities - TAPC

Pass

Sample Analysis

Date: 07/26/2024 02:23 PM SOP: NYS.SOPT.040.200
 Analyzed By: Plating
 Analyst: Lindsey Vento

Analyte	LOQ (CFU/g)	Action Limit (CFU/g)	Results (CFU/g)	Pass/Fail
Total Aerobic Bacteria/CDP-TC	5	N/A	<LOQ	PASS

Microbial Impurities - TYMC

Pass

Sample Analysis

Date: 07/30/2024 09:08 AM SOP: NYS.SOPT.040.200
 Analyzed By: Plating
 Analyst: Kristy Lee

Analyte	LOQ (CFU/g)	Action Limit (CFU/g)	Results (CFU/g)	Pass/Fail
Total Yeast and Mold	5	N/A	<LOQ	PASS
Mold Count	5	N/A	<LOQ	PASS
Yeast Count	5	N/A	<LOQ	PASS

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Foreign Matter

Pass

Sample Analysis

Date: 07/25/2024 11:36 AM **SOP:** NYS.SOPT.040.250
Analyzed By: Microscopy
Analyst: Destiny Ribadeneyra

Analyte	LOQ	Action Limit	Results	Pass/Fail
Mammalian excreta (mg/lb)	0	1.0	0	PASS
Stems >3mm in diameter (%)	0	5.0	0	PASS
Other Foreign Material (%)	0	2.0	0	PASS

Moisture Content

Pass

Sample Analysis

Date: 07/29/2024 03:25 PM **SOP:** NY.SOPT.040.220
Analyzed By: Moisture Balance
Analyst: Moni Kaneti

Analyte	LOQ (%)	Action Limit (%)	Results (%)	Pass/Fail
Moisture Content	0.0	5.0 - 15.0	11.8	PASS

Water Activity

Pass

Sample Analysis

Date: 07/30/2024 06:47 PM **SOP:** NY.SOPT.040.210
Analyzed By: Water Activity Meter
Analyst: Stephanie Knapp

Analyte	LOQ (Aw)	Action Limit (Aw)	Results (Aw)	Pass/Fail
Water Activity	0.25	0.65	0.52	PASS

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