



Phyto-farma Labs
49 John Hicks Drive
Warwick, NY 10990
Permit#: OCMPPPL-2022-00004
Phone: 845-988-0937

Compliance

Certificate Of Analysis

Client Name: Twin Arch Farm LLC

Address: 200 Twin Arch Road
Rock Tavern, NY 12575

Phone: 845-238-4461

License Number: OCM-AUCC-22-000040

Sample Description: GS - FLOWER

Lot Number: GS2022-002

Regulatory Category: Adult Use

Sample Matrix: Un-Extracted

Delivery Method: Inhalation

Results Summary

Filth and Foreign Material	PASS
Microbial Impurities (CDP-TC)	PASS
Microbial Impurities (CDP-YMR)	PASS
Microbial Impurities (PdX for STEC, Salmonella, Asp sp.)	PASS
Moisture Content	PASS
Mycotoxins	PASS
Pesticides	PASS
Trace Metals	PASS
Water Activity	PASS

This is a Phyto-farma certification that relates only to the material tested and shall not be reproduced, unless in its entirety, without written approval from Phyto-farma. Test results are confidential, unless explicitly waived. The product represented has been tested by Phyto-farma Labs using validated scientific methodologies. Note action levels are state determined thresholds for human safety and consumption. Acronym Definitions: ND - Not Detected, LOQ, - Limit of Quantification are terms used to describe the reliably measured smallest concentrations. LOQ* denotes the result is above detection limit, but below quantifiable limit. CFU - Colony Forming Units.

Certificate Of Analysis

Average Cannabinoid Profile

Filth and Foreign Material

PASS

Date analyzed: 01/15/2023

Method: NYS.SOP.T.040.250

Analyst: Destiny Ribadeneyra

Analyte	Result	LOQ	Allowable Limit	Pass/Fail
Mammalian excreta (mg/lb)	0	0	1	PASS
Stems >3mm in diameter (%)	0	0	5	PASS
Other Foreign Material (%)	0.19	0	2	PASS
			Overall Status	PASS

Analysis Instrument

5 Radweg Balance

Microbial Impurities (CDP-TC)

PASS

Date analyzed: 01/18/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Result (CFU/g)	LOQ	Allowable Limit	Pass/Fail
680000	5	N/A	PASS

Analysis Instrument

87 Colony Counter

V149.6

Certificate Of Analysis

Microbial Impurities (CDP-YMR)

PASS

Date analyzed: 01/20/2023

Method: NYS.SOP.T.040.200

Analyst: Lindsey Vento

Microbial Species	Result (cfu/g)	LOQ	Allowable Limit	Pass/Fail
Mold Count	<LOQ	5	N/A	PASS
Yeast Count	<LOQ	5	N/A	PASS
Total Yeast and Mold	<LOQ		N/A	PASS
			Overall Status	PASS

Analysis Instrument

87 Colony Counter

V150.6

Microbial Impurities (PdX for STEC, Salmonella, Asp sp.)

PASS

Date analyzed: 01/18/2023

Method: NY.SOP.T.040.170

Analyst: Kristy Lee

Microbial Species	Microbial Type	Detection Status	Pass/Fail
Escherichia coli specific gene	Bacteria	Not detected	PASS
Escherichia coli/Shigella species	Bacteria	Not detected	PASS
Salmonella species	Bacteria	Not detected	PASS
stx1 gene (Shiga Toxin Gene 1)	Bacteria	Not detected	PASS
stx2 gene (Shiga Toxin Gene 2)	Bacteria	Not detected	PASS
Aspergillus flavus	Fungal	Not detected	PASS
Aspergillus niger	Fungal	Not detected	PASS
Aspergillus terreus	Fungal	Not detected	PASS
Aspergillus fumigatus	Fungal	Not detected	PASS
		Overall Status	PASS

Analysis Instrument

PathogenDX-Sensovation AG 33

V133.6

Certificate Of Analysis

Moisture Content

PASS

Date analyzed: 01/18/2023

Method: NY.SOP.T.040.220

Analyst: Destiny Ribadeneyra

Result (%)	LOQ	Allowable Limit	Pass/Fail
13.5	0.0	5.0 - 15.0	PASS

Analysis Instrument

4 Moisture Balance

V140.28

Mycotoxins

PASS

Date analyzed: 01/18/2023

Method: NY.SOP.T.40.180

Analyst: Alicia Caruso-Thomas

Analyte	Result (µg/g)	LOQ (µg/g)	Allowable Limit	Pass/Fail
Aflatoxin B1	<LOQ	0.001	0.02	PASS
Aflatoxin B2	<LOQ	0.002	0.02	PASS
Aflatoxin G1	0.002	0.001	0.02	PASS
Aflatoxin G2	<LOQ	0.002	0.02	PASS
Sum of Aflatoxins	0.002	-	0.02	PASS
Ochratoxin A	<LOQ	0.002	0.02	PASS
			Overall Status	PASS

Analysis Instrument

30 LC-MS TQ

V141.3

Certificate Of Analysis

Pesticides

PASS

Date analyzed: 01/17/2023

Method: NY.SOP.T.040.230

Analyst: Alicia Caruso-Thomas

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Azadirachtin	<LOQ	0.37	1	PASS
Cinerin I†	<LOQ	0.02	0.09	PASS
Indole-3-butyric Acid	<LOQ	1.26	5.01	PASS
Jasmolin I†	<LOQ	0.02	0.1	PASS
Myclobutanil	<LOQ	0.30	1.16	PASS
Piperonyl butoxide	<LOQ	0.21	0.88	PASS
Pyrethrin I†	<LOQ	0.43	1.77	PASS
Total Pyrethrins†	0		1	PASS
			Overall Status	PASS
Analysis Instrument	30 LC-MS TQ			

V144.5

Trace Metals

PASS

Date analyzed: 01/18/2023

Method: NY.SOP.T.40.050

Analyst: Kyle Rappaport

Analyte	Result (µg/g)	LOQ	Allowable Limit	Pass/Fail
Antimony (Sb)	<LOQ	0.13	2	PASS
Arsenic (As)	<LOQ	0.07	0.2	PASS
Cadmium (Cd)	<LOQ	0.06	0.3	PASS
Chromium (Cr)	0.36	0.36	110	PASS
Copper (Cu)	16.03	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	0.1	PASS
Nickel (Ni)	0.79	0.11	2	PASS
			Overall Status	PASS
Analysis Instrument	1 ICP-MS			

Certificate Of Analysis

Water Activity

PASS

Date analyzed: 01/18/2023

Method: NY.SOP.T.040.210

Analyst: Destiny Ribadeneyra

Result (Aw)	LOQ	Allowable Limit	Pass/Fail
0.45	0.25	0.65	PASS

Analysis Instrument

103 Aqualab TDL 2

V131.60

Average Cannabinoid Profile

Date analyzed: 01/22/2023

Method: NY.SOP.T.40.260

Analyst: Stephanie Knapp

Analyte	Average (%w/w)	mg/serving	Standard Deviation (mg/serving)	Homogeneity Pass/Fail*
Δ8-THC†	<LOQ	<LOQ	N/A	N/A
Δ9-THC†	1.12	39.34	1.67	N/A
Δ10-THC-RS†	<LOQ	<LOQ	N/A	N/A
Δ10-THC-RR†	<LOQ	<LOQ	N/A	N/A
Tetrahydrocannabinolic acid (THCA)†	24.72	865.06	20.02	N/A
Tetrahydrocannabinavarin (THCV)	<LOQ	<LOQ	N/A	N/A
Cannabidiol (CBD)	<LOQ	<LOQ	N/A	N/A
Cannabinadiolic acid (CBDA)	<LOQ	<LOQ	N/A	N/A
Cannabidivarin (CBDV)	<LOQ	<LOQ	N/A	N/A
Cannabinol (CBN)	<LOQ	<LOQ	N/A	N/A
Cannabigerol (CBG)	<LOQ	<LOQ	N/A	N/A
Cannabigerolic acid (CBGA)	<LOQ	<LOQ	N/A	N/A
Cannabichromene (CBC)	<LOQ	<LOQ	N/A	N/A
†Total Tetrahydrocannabinol (THC)	22.8	797.998	17.75	N/A

*Not required for flower products

V158.11



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Alicia Caruso-Thomas

Alicia Caruso-Thomas
Laboratory Director
01/30/2023