



**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:** JF - FLOWER

**Lot Number:** JF2022-001

**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	<b>PASS</b>
Stems >3mm in diameter (%)	0.67	0	5	<b>PASS</b>
Other Foreign Material (%)	0	0	2	<b>PASS</b>
			Overall Status	<b>PASS</b>

*Analysis Instrument*

*5 Balance - Radwag*

### 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
189000	5	N/A	<b>PASS</b>

*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: 01/20/2023

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
13.1	0.0	5.0 - 15.0	<b>PASS</b>

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	<b>PASS</b>
Aflatoxin B2	<LOQ	0.002	0.02	<b>PASS</b>
Aflatoxin G1	0.001	0.001	0.02	<b>PASS</b>
Aflatoxin G2	0.008	0.002	0.02	<b>PASS</b>
Sum of Aflatoxins	0.009	-	0.02	<b>PASS</b>
Ochratoxin A	<LOQ	0.002	0.02	<b>PASS</b>
			Overall Status	<b>PASS</b>

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†	0.034	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†	0.034		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)	0.52	0.13	2	PASS
Arsenic (As)	<LOQ	0.07	0.2	PASS
Cadmium (Cd)	<LOQ	0.06	0.3	PASS
Chromium (Cr)	<LOQ	0.36	110	PASS
Copper (Cu)	17.84	0.39	30	PASS
Lead (Pb)	<LOQ	0.08	0.5	PASS
Mercury (Hg)	<LOQ	0.01	0.1	PASS
Nickel (Ni)	0.95	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
0.46	0.25	0.65	<b>PASS</b>

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†	0.64	22.47	5.34	N/A
Δ10-THC-RS†	<LOQ	<LOQ	N/A	N/A
Δ10-THC-RR†	<LOQ	<LOQ	N/A	N/A
Tetrahydrocannabinolic acid (THCA)†	17.47	611.45	30.36	N/A
Tetrahydrocannabivarin (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)	15.96	558.71	43.84	N/A

\*Not required for flower products

V158.11



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# Certificate Of Analysis

*Alicia Caruso-Thomas*

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Alicia Caruso-Thomas  
Laboratory Director  
01/30/2023