



CERTIFICATE OF ANALYSIS

Regulatory Compliance Testing
Report Date: May 29, 2026

Overall Result



PASS

Moby & Zeke LLC (dba Sapphire Farms)

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KUCA-003-FL4

Flower



SAMPLE INFORMATION

Sample ID: CTNY-260521-03-005
Sample Name: KUCA-003-FL4
Matrix: Cannabis Flower Product
Product: Flower
Batch No.: KUCA-003-FL4
Test Pkg: 1A4120300000294000001634
Src Pkg: 1A4120300000294000001626
Batch Size: 10000 Units
Sample Size: 20 Units
Package Size: 3500 mg
Cultivar(s): Kush Cake
Date Collected: May 21, 2026
Time Collected: 18:34:03
Date Received: May 21, 2026
Category: Cannabis_flower_product
Compliance Type: Adult Use
Received By: Emily Denton

MANUFACTURER

Moby & Zeke LLC (dba Sapphire Farms)
License: OCM-PROC-24-000031
Address: 620 Shaffer Rd
Newfield, NY 14867

CONTACT

Lindsey Reynolds
Address: 620 Shaffer Rd
Newfield, NY 14867

Cannabinoids

**TOTAL
CANNABINOIDS**

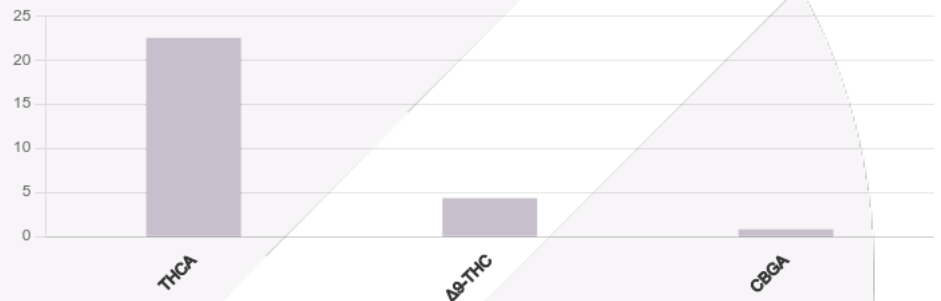
24.8%

**TOTAL
THC**

24.1%

**TOTAL
CBD**

< LOQ



Terpenes

**TOTAL
TERPENES**

2.01%

TOP 5 TERPENES

β-Caryophyllene	0.96%	Spicy	
α-Humulene	0.3%	Hops	
trans-β-Farnesene	0.16%	Woody	
d-Limonene	0.14%	Citrus	
α-Bisabolol	0.14%	Floral	

PROFILE

Cannabinoids	Foreign Matter	Heavy Metals	Microbials	Moisture Content
TESTED	PASS	PASS	PASS	PASS
Mycotoxins	Pesticides	Terpenes	Water Activity	
PASS	PASS	PASS	PASS	



Certified Testing and Data
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Menands, NY 12204
certifiedtnd.com
License: OCM-CPL-24-00009-L1
Contact: Larry Clement
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Logan Alvarez

Logan Alvarez
Lead Technical Director
May 29, 2026



KUCA-003-FL4

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Cannabinoids

Testing Method: CTND-NY-SOP-P-001, CTND-NY-SOP-P-002: Cannabinoids by HPLC

TESTED

Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv
9R-Δ ¹⁰ -THC	0.305	< LOQ	< LOQ	< LOQ		
9S-Δ ¹⁰ -THC	0.305	< LOQ	< LOQ	< LOQ		
CBC	0.305	< LOQ	< LOQ	< LOQ		
CBD	0.305	< LOQ	< LOQ	< LOQ		
CBDA	0.305	< LOQ	< LOQ	< LOQ		
CBDV	0.305	< LOQ	< LOQ	< LOQ		
CBG	0.305	< LOQ	< LOQ	< LOQ		
Total THC		24.1	241	844		
Total CBD		< LOQ	< LOQ	< LOQ		

* Beyond scope of accreditation

Prepared By: k4gdmc
Analysis Date: May 27, 2026 19:06:00 EDT

Analyzed By: k4gdmc
Prep Weight: 0.1598 Grams

Reviewed By: k4gdmc
Lab Batch #: 260527_POT

Foreign Matter

Testing Method: CTND-NY-SOP-F-001: Foreign Material by Visual Inspection

PASS

Analyte	Limit	Results	Status
Foreign Matter	2 %	ND	Pass
Foreign Matter, Stems*	7 %	ND	Pass

* Beyond scope of accreditation

Prepared By: No Employee ID
Analysis Date: May 27, 2026 15:05:00 EDT

Analyzed By: No Employee ID
Prep Weight: Grams

Reviewed By: No Employee ID
Lab Batch #: NF260026

Heavy Metals

Testing Method: CTND-NY-SOP-M-001, CTND-NY-SOP-M-002: Heavy Metals by ICP-MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	µg/g	µg/g	µg/g	
Antimony	2	0.082	2	< LOQ	Pass
Arsenic	2	0.082	0.2	< LOQ	Pass
Cadmium	2	0.082	0.2	< LOQ	Pass
Chromium	2	0.411	110	< LOQ	Pass

Prepared By: dcab3b
Analysis Date: May 28, 2026 10:50:00 EDT

Analyzed By: dcab3b
Prep Weight: 0.4863 Grams

Reviewed By: dcab3b
Lab Batch #: 260527_HM

Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv
CBGA*	0.305	0.802	8.02	28.1		
CBN	0.305	< LOQ	< LOQ	< LOQ		
Δ ⁸ -THC	0.305	< LOQ	< LOQ	< LOQ		
Δ ⁹ -THC	0.305	4.35	43.5	152		
Δ ¹⁰ -THC		< LOQ	< LOQ	< LOQ		
THCA	0.305	22.5	225	788		
THCV	0.305	< LOQ	< LOQ	< LOQ		
Total THC		24.1	241	844		
Total CBD		< LOQ	< LOQ	< LOQ		



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Definitions and Equations: Total THC = THCa*0.877 + Δ⁸-THC + Δ⁹-THC + Δ¹⁰-THC, Δ¹⁰-THC = 9R-Δ¹⁰-THC + 9S-Δ¹⁰-THC, Total CBD = CBDA*0.877 + CBD, Total Cannabinoids = All analytes summed excluding the isomers 9R-Δ¹⁰-THC and 9S-Δ¹⁰-THC, LOQ = Limit of Quantification, LOD = Limit of Detection. This report, and all results within, relates only to the items tested, calibrated or sampled, and may not be reproduced without written approval from CTND. All methods and results used conform to the NYS OCM regulations and standards. For bulk flower and plant forms, phytocannabinoids are corrected for moisture content and reported on a dry weight basis. Sampling & Transportation SOP: CTND-NY-SOP-SM-001



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Microbials

PASS

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method: Micro: Total Viable Aerobic Bacteria by Biomerieux Tempo		
Aerobic Bacteria	CFU/g 100		CFU/g 18000	N/A	Prepared By: No Employee ID Analysis Date: May 23, 2026 15:15:00 EDT	Reviewed By: No Employee ID Lab Batch #: 260522_MIC-3	Analyzed By: No Employee ID
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method: Micro: Total Yeast & Mold by Biomerieux Tempo		
Yeast & Mold	CFU/g 100		CFU/g 2600	N/A	Prepared By: k4gdmc Analysis Date: May 25, 2026 15:00:00 EDT	Reviewed By: k4gdmc Lab Batch #: 260522_MIC / 260522_MIC-1 / 260522_MIC-2	Analyzed By: k4gdmc
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method: Micro: Aspergillus by Biomerieux Gene-Up		
Aspergillus flavus	CFU/g 1.00	Absent in any amt	CFU/g Absent	Pass	Prepared By: No Employee ID Analysis Date: May 23, 2026 15:15:00 EDT	Reviewed By: No Employee ID Lab Batch #: 260522_MIC-3	Analyzed By: No Employee ID
Aspergillus fumigatus	1.00	Absent in any amt	Absent	Pass			
Aspergillus niger	1.00	Absent in any amt	Absent	Pass			
Aspergillus terreus	1.00	Absent in any amt	Absent	Pass			
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method: Micro: Salmonella by Biomerieux Gene-Up		
Salmonella spp.	CFU/g 1.00	Absent in any amt	CFU/g Absent	Pass	Prepared By: k4gdmc Analysis Date: May 27, 2026 17:00:00 EDT	Reviewed By: k4gdmc Lab Batch #: 260522_MIC / 260522_MIC-1 / 260522_MIC-2	Analyzed By: k4gdmc
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method: Micro: Shiga Toxin-producing E. Coli by Biomerieux Gene-Up		
Shiga toxin-producing E. coli	CFU/g 1.00	Absent in any amt	CFU/g Absent	Pass	Prepared By: k4gdmc Analysis Date: May 27, 2026 17:00:00 EDT	Reviewed By: k4gdmc Lab Batch #: 260522_MIC / 260522_MIC-1 / 260522_MIC-2	Analyzed By: k4gdmc

Moisture Content

Testing Method: CTND-NY-SOP-S-001: Moisture Content

PASS

Analyte	Limit	Results	Status
Moisture	15 %	13.7 %	Pass
Prepared By: No Employee ID Analysis Date: May 28, 2026 10:20:00 EDT Analyzed By: No Employee ID Prep Weight: 1.0736 Grams Reviewed By: k4gdmc Lab Batch #: 260527_MIC			

Mycotoxins

Testing Method: CTND-NY-SOP-PM-001, CTND-NY-SOP-PM-002: Mycotoxins by LC-MS/MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Status	Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	µg/g	µg/g	µg/g			1:n	µg/g	µg/g	µg/g	
Aflatoxin B1	1	0.0144		< LOQ	N/A	Aflatoxin G2	1	0.0144		< LOQ	N/A
Aflatoxin B2	1	0.0144		< LOQ	N/A	Ochratoxin A	1	0.0144	0.02	< LOQ	Pass
Aflatoxin G1	1	0.0144		< LOQ	N/A	Aflatoxins			0.02	< LOQ	Pass
Aflatoxins			0.02	< LOQ	Pass						
Prepared By: k4gdmc Analysis Date: May 22, 2026 17:00:00 EDT						Analyzed By: k4gdmc Prep Weight: 0.6933 Grams Reviewed By: k4gdmc Lab Batch #: 260522_PEST					



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Pesticides

Testing Method: CTND-NY-SOP-PM-002: Pesticides by LC-MS/MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	ppm	ppm	ppm	
Abamectin	1	0.144	0.5	< LOQ	Pass
Acephate	1	0.144	0.4	< LOQ	Pass
Acequinocyl	1	0.144	2	< LOQ	Pass
Acetamiprid	1	0.144	0.2	< LOQ	Pass
Aldicarb	1	0.144	0.4	< LOQ	Pass
Azadirachtin	1	0.144	1	< LOQ	Pass
Azoxystrobin	1	0.144	0.2	< LOQ	Pass
Bifenazate	1	0.144	0.2	< LOQ	Pass
Bifenthrin	1	0.144	0.2	< LOQ	Pass
Boscalid	1	0.144	0.4	< LOQ	Pass
Captan	1	0.721	1	< LOQ	Pass
Carbaryl	1	0.144	0.2	< LOQ	Pass
Carbofuran	1	0.144	0.2	< LOQ	Pass
Chlorantranil- iprole	1	0.144	0.2	< LOQ	Pass
Chlordane	1	0.577	1	< LOQ	Pass
Chlorfenapyr	1	0.144	1	< LOQ	Pass
Chlormequat chloride	1	0.144	1	< LOQ	Pass
Chlorpyrifos	1	0.144	0.2	< LOQ	Pass
Clofentezine	1	0.144	0.2	< LOQ	Pass
Coumaphos	1	0.144	1	< LOQ	Pass
Cyfluthrin	1	0.144	1	< LOQ	Pass
Cypermethrin	1	0.144	1	< LOQ	Pass
Daminozide	1	0.144	1	< LOQ	Pass
Diazinon	1	0.144	0.2	< LOQ	Pass
Dichlorvos	1	0.144	1	< LOQ	Pass
Dimethoate	1	0.144	0.2	< LOQ	Pass
Dimethomorph	1	0.144	1	< LOQ	Pass
Ethoprophos	1	0.144	0.2	< LOQ	Pass
Etofenprox	1	0.144	0.4	< LOQ	Pass
Etoxazole	1	0.144	0.2	< LOQ	Pass
Fenhexamid	1	0.144	1	< LOQ	Pass
Fenoxycarb	1	0.144	0.2	< LOQ	Pass
Fenpyroximate	1	0.144	0.4	< LOQ	Pass
Fipronil	1	0.144	0.4	< LOQ	Pass
Flonicamid	1	0.144	1	< LOQ	Pass
Fludioxonil	1	0.144	0.4	< LOQ	Pass
Hexythiazox	1	0.144	1	< LOQ	Pass
Imazalil	1	0.144	0.2	< LOQ	Pass
Imidacloprid	1	0.144	0.4	< LOQ	Pass
Indole-3-butyric acid	1	0.144	1	< LOQ	Pass

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	ppm	ppm	ppm	
Kresoxim- methyl	1	0.144	0.4	< LOQ	Pass
Malathion	1	0.144	0.2	< LOQ	Pass
Metalaxyl	1	0.144	0.2	< LOQ	Pass
Methiocarb	1	0.144	0.2	< LOQ	Pass
Methomyl	1	0.144	0.4	< LOQ	Pass
Methyl parathion	1	0.144	0.2	< LOQ	Pass
Mevinphos	1	0.144	1	< LOQ	Pass
MGK-264			0.2	< LOQ	Pass
MGK-264 I	1	0.0475		< LOQ	N/A
MGK-264 II	1	0.0932		< LOQ	N/A
Myclobutanil	1	0.144	0.2	< LOQ	Pass
Naled	1	0.144	0.5	< LOQ	Pass
Oxamyl	1	0.144	1	< LOQ	Pass
Paclobutrazol	1	0.144	0.4	< LOQ	Pass
Pentachloroni- trobenzene	1	0.144	1	< LOQ	Pass
Permethrin			0.2	< LOQ	Pass
Permethrin cis	1	0.0663		< LOQ	N/A
Permethrin trans	1	0.0779		< LOQ	N/A
Phosmet	1	0.144	0.2	< LOQ	Pass
Piperonylbuto- xide	1	0.144	2	< LOQ	Pass
Prallethrin	1	0.144	0.2	< LOQ	Pass
Propiconazole	1	0.144	0.4	< LOQ	Pass
Propoxur	1	0.144	0.2	< LOQ	Pass
Pyrethrins			1	< LOQ	Pass
Pyrethrins Cinerin I	1	0.00779		< LOQ	N/A
Pyrethrins Jasmolin I	1	0.00545		< LOQ	N/A
Pyrethrins Pyrethrin I	1	0.0767		< LOQ	N/A
Pyridaben	1	0.144	0.2	< LOQ	Pass
Spinetoram	1	0.144	1	< LOQ	Pass
Spinosad			0.2	< LOQ	Pass
Spinosad A	1	0.116		< LOQ	N/A
Spinosad D	1	0.0251		< LOQ	N/A
Spiromesifen	1	0.144	0.2	< LOQ	Pass
Spirotetramat	1	0.144	0.2	< LOQ	Pass
Spiroxamine	1	0.144	0.2	< LOQ	Pass
Tebuconazole	1	0.144	0.4	< LOQ	Pass
Thiacloprid	1	0.144	0.2	< LOQ	Pass
Thiamethoxam	1	0.144	0.2	< LOQ	Pass
Trifloxystrob- in	1	0.144	0.2	< LOQ	Pass

Prepared By: k4gdmc
Analysis Date: May 22, 2026 17:00:00 EDT

Analyzed By: k4gdmc
Prep Weight: 0.6933 Grams

Reviewed By: k4gdmc
Lab Batch #: 260522_PEST



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KUCA-003-FL4

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Terpenes

Testing Method: CTND-NY-SOP-T-001, CTND-NY-SOP-T-002: Terpenes by GC-MS

PASS

Analyte	Dilution	LOQ	Limit	Results	Results
	1:n	%		%	mg/g
α -Bisabolol	1	0.0197		0.1376	1.3760
α -Humulene	1	0.0197		0.2976	2.9760
α -Phellandrene	1	0.0197		< LOQ	< LOQ
α -Pinene	1	0.0197		< LOQ	< LOQ
α -Terpinene	1	0.0197		< LOQ	< LOQ
β -Caryophyllene	1	0.0197		0.9621	9.6210
β -Myrcene	1	0.0197		< LOQ	< LOQ
β -Pinene	1	0.0197		0.0287	0.2870
Camphene	1	0.0197		< LOQ	< LOQ
Caryophyllene Oxide	1	0.0197		0.0366	0.3660
cis- β -Ocimene	1	0.0055		< LOQ	< LOQ
d-Limonene	1	0.0197		0.1415	1.4150
Δ^3 -Carene	1	0.0197		< LOQ	< LOQ
Eucalyptol	1	0.0197		< LOQ	< LOQ
Total Terpenes*				2.0075	20.0750

* Beyond scope of accreditation

Prepared By: dcab3b
Analysis Date: May 29, 2026 13:36:00 EDT

Analyzed By: dcab3b
Prep Weight: 0.1013 Grams

Reviewed By: dcab3b
Lab Batch #: 260528_TERP

Water Activity

Testing Method: CTND-NY-SOP-W-001: Water Activity

PASS

Analyte	Limit	Results	Status
Water Activity	0.65 Aw	0.36 Aw	Pass

Prepared By: k4gdmc
Analysis Date: May 28, 2026 19:00:00 EDT

Analyzed By: k4gdmc
Prep Weight: Grams

Reviewed By: k4gdmc
Lab Batch #: 260528_WA



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Accreditations



ilac-MRA



PJLA
Testing
Accreditation #116070

ISO/IEC 17025

ilac-MRA, PJLA Accredited

CTND-NY-SOP-PM-002: Pesticides by LC-MS/MS

Abamectin, Acephate, Acequinocyl, Acetamiprid, Aldicarb, Azadirachtin, Azoxystrobin, Bifenazate, Bifenthrin, Boscalid, Captan, Carbaryl, Carbofuran, Chlorantraniliprole, Chlordane, Chlorfenapyr, Chlormequat chloride, Chlorpyrifos, Clofentezine, Coumaphos, Cyfluthrin, Cypermethrin, Daminozide, Diazinon, Dichlorvos, Dimethoate, Dimethomorph, Ethoprophos, Etofenprox, Etoxazole, Fenhexamid, Fenoxycarb, Fenpyroximate, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Indole-3-butyric acid, Kresoxim-methyl, MGK-264, MGK-264 I, MGK-264 II, Malathion, Metalaxyl, Methiocarb, Methomyl, Methyl parathion, Mevinphos, Myclobutanil, Naled, Oxamyl, Paclobutrazol, Pentachloronitrobenzene, Permethrin, Permethrin cis, Permethrin trans, Phosmet, Piperonylbutoxide, Prallethrin, Propiconazole, Propoxur, Pyrethrins, Pyrethrins Cinerin I, Pyrethrins Jasmolin I, Pyrethrins Pyrethrin I, Pyridaben, Spinetoram, Spinosad, Spinosad A, Spinosad D, Spinosyn A, Spinosyn D, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Thiacloprid, Thiamethoxam, Trifloxystrobin

CTND-NY-SOP-W-001: Water Activity

Water Activity

CTND-NY-SOP-S-001: Moisture Content

Moisture

CTND-NY-SOP-T-001, CTND-NY-SOP-002: Terpenes by GC-MS

(-)-Caryophyllene oxide, (-)-Guaiaol, (-)-Isopulegol, (-)-alpha-Bisabolol, (-)-beta-Pinene, (R)-(+)-Limonene, 1,8-Cineole, Camphene, Caryophyllene Oxide, Delta-3-Carene, Eucalyptol, Farnesene, Fenchol, Geraniol, Guaiaol, Isopulegol, Linalool, Ocimene, Terpineol, Terpinolene, Valencene, alpha-Bisabolol, alpha-Humulene, alpha-Phellandrene, alpha-Pinene, alpha-Terpinene, alpha-Terpinolene, beta-Caryophyllene, beta-Myrcene, beta-Pinene, cis-beta-Ocimene, d-Limonene, gamma-Terpinene, p-Cymene, p-Isopropyltoluene, trans-Caryophyllene, trans-Nerolidol, trans-beta-Farnesene, trans-beta-Ocimene

CTND-NY-SOP-P-001, CTND-NY-SOP-P-002: Cannabinoids by HPLC

9R-Delta-10-THC, 9S-Delta-10-THC, CBC, CBD, CBDA, CBDV, CBG, CBN, Delta-10-THC, Delta-8-THC, Delta-9-THC, Delta-9-THCA, THCA, THCV, Total CBD, Total THC

CTND-NY-SOP-PM-001, CTND-NY-SOP-PM-002: Mycotoxins by LC-MS/MS

Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Aflatoxins, Ochratoxin A, Total Aflatoxins

Micro: Aspergillus by Biomerieux Gene-Up

Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, Aspergillus terreus

CTND-NY-SOP-M-001, CTND-NY-SOP-M-002: Heavy Metals by ICP-MS

Antimony, Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel

Micro: Shiga Toxin-producing E. Coli by Biomerieux Gene-Up

Shiga toxin-producing E. coli

CTND-NY-SOP-F-001: Foreign Material by Visual Inspection

Filth, Foreign Matter

Micro: Total Viable Aerobic Bacteria by Biomerieux Tempo

Aerobic Bacteria

Micro: Salmonella by Biomerieux Gene-Up

Salmonella spp.

Micro: Total Yeast & Mold by Biomerieux Tempo

Yeast & Mold

Regulatory Compliance Testing



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