CERTIFICATE OF ANALYSIS

Regulatory Compliance Testing
Report Date: May 08, 2026

Overall Result
PASS

Moby & Zeke LLC (dba Sapphire Farms)

JUGE-028-FL2

Flower

SAMPLE INFORMATION

Sample ID: CTNY-260430-00-011
Sample Name: JUGE-028-FL2
Matrix: Raw Plant Material - Final Form
Product: Flower
Batch No.: JUGE-028-FL2
Test Pkg: 1A4120300000294000001449
Src Pkg: 1A4120300000294000000792
Batch Size: 5000 Units
Sample Size: 20 Units
Package Size: 28 g
Cultivar(s): Jungle Gemz
Date Collected: May 01, 2026
Time Collected: 10:07:58
Date Received: May 01, 2026
Category: Raw Plant Material - Final Form
Compliance Type: Adult Use
Received By: Emily Denton

CULTIVATOR

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

MANUFACTURER

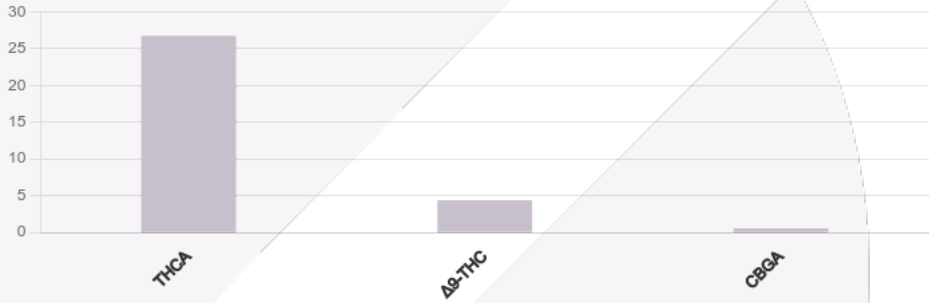
Moby & Zeke LLC (dba Sapphire Farms)
License: OCM-PROC-24-000031
Address: 620 Shaffer Rd
Newfield, NY 14867

CONTACT

Lindsey Reynolds
Address: 620 Shaffer Rd
Newfield, NY 14867

Cannabinoids

TOTAL CANNABINOIDS	TOTAL THC	TOTAL CBD
28.3%	27.8%	< LOQ



Terpenes

TOTAL TERPENES: 1.92%

TOP 5 TERPENES		PROFILE
β-Caryophyllene	0.75%	Spicy
β-Myrcene	0.31%	Herbal
d-Limonene	0.27%	Citrus
α-Humulene	0.22%	Hops
α-Bisabolol	0.16%	Floral

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
150 Broadway STE 194
Menands, NY 12204
certifiedtnd.com
License: OCM-CPL-24-00009-L1
Contact: Larry Clement
ph: 5189005515
email: info@certifiedtnd.com

PJLA Testing Accreditation #116070

Logan Alvarez
Lead Technical Director
May 08, 2026

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

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		0.298	< LOQ	< LOQ	< LOQ	
9S-Δ^{10}-THC		0.298	< LOQ	< LOQ	< LOQ	
CBC		0.298	< LOQ	< LOQ	< LOQ	
CBD		0.298	< LOQ	< LOQ	< LOQ	
CBDA		0.298	< LOQ	< LOQ	< LOQ	
CBDV		0.298	< LOQ	< LOQ	< LOQ	
CBG		0.298	< LOQ	< LOQ	< LOQ	
Total THC			**27.8**	**278**	**7780**	
Total CBD			**< LOQ**	**< LOQ**	**< LOQ**	

Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv
CBGA*		0.298	0.559	5.59	157	
CBN		0.298	< LOQ	< LOQ	< LOQ	
Δ^8-THC		0.298	< LOQ	< LOQ	< LOQ	
Δ^9-THC		0.298	4.38	43.8	1230	
Δ^{10}-THC			< LOQ	< LOQ	< LOQ	
THCA		0.298	26.7	267	7480	
THCV		0.298	< LOQ	< LOQ	< LOQ	
Total THC			**27.8**	**278**	**7780**	
Total CBD			**< LOQ**	**< LOQ**	**< LOQ**	

* Beyond scope of accreditation

Prepared By: k4gdmc
Analysis Date: May 06, 2026 14:01:00 EDT
Analyzed By: k4gdmc
Prep Weight: 0.1521 Grams
Reviewed By: k4gdmc
Lab Batch #: 260504_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

Analyte	Limit	Results	Status
Mammal Excrement*	1 mg/lb	ND	Pass
Stems*	5 %	ND	Pass

* Beyond scope of accreditation

Prepared By: No Employee ID
Analysis Date: May 06, 2026 12:18:00 EDT
Analyzed By: No Employee ID
Prep Weight: Grams
Reviewed By: No Employee ID
Lab Batch #: NF260022

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

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	µg/g	µg/g	µg/g	
Copper	2	0.411	30	18.691	Pass
Lead	2	0.082	0.5	0.087	Pass
Mercury	2	0.082	0.1	< LOQ	Pass
Nickel	2	0.411	5	0.639	Pass

Prepared By: dcab3b
Analysis Date: May 07, 2026 11:43:00 EDT
Analyzed By: dcab3b
Prep Weight: 0.4863 Grams
Reviewed By: dcab3b
Lab Batch #: 260505_HM

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Logan Alvarez
Lead Technical Director
May 08, 2026

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Microbials

PASS

Analyte	LOQ	Limit	Results	Status
	CFU/g		CFU/g	
Aerobic Bacteria	100		120000	N/A

Testing & Prep Method: Micro: Total Viable Aerobic Bacteria by Biomerieux Tempo
Prepared By: No Employee ID
Reviewed By: No Employee ID
Analyzed By: k4gdmc
Analysis Date: May 02, 2026 17:00:00 EDT
Lab Batch #: 260501_MIC-2

Analyte	LOQ	Limit	Results	Status
	CFU/g		CFU/g	
Yeast & Mold	100		31000	N/A

Testing & Prep Method: Micro: Total Yeast & Mold by Biomerieux Tempo
Prepared By: No Employee ID
Reviewed By: No Employee ID
Analyzed By: No Employee ID
Analysis Date: May 04, 2026 15:00:00 EDT
Lab Batch #: 260501_MIC-2

Analyte	LOQ	Limit	Results	Status
	CFU/g	CFU/g	CFU/g	
Aspergillus flavus	1.00	Absent in any amt	Absent	Pass
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

Testing & Prep Method: Micro: Aspergillus by Biomerieux Gene-Up
Prepared By: k4gdmc
Reviewed By: k4gdmc
Analyzed By: k4gdmc
Analysis Date: May 08, 2026 17:48:00 EDT
Lab Batch #: 260505_MIC

Analyte	LOQ	Limit	Results	Status
	CFU/g	CFU/g	CFU/g	
Salmonella spp.	1.00	Absent in any amt	Absent	Pass

Testing & Prep Method: Micro: Salmonella by Biomerieux Gene-Up
Prepared By: k4gdmc
Reviewed By: k4gdmc
Analyzed By: k4gdmc
Analysis Date: May 08, 2026 17:50:00 EDT
Lab Batch #: 260505_MIC

Analyte	LOQ	Limit	Results	Status
	CFU/g	CFU/g	CFU/g	
Shiga toxin-producing E. coli	1.00	Absent in any amt	Absent	Pass

Testing & Prep Method: Micro: Shiga Toxin-producing E. Coli by Biomerieux Gene-Up
Prepared By: k4gdmc
Reviewed By: k4gdmc
Analyzed By: k4gdmc
Analysis Date: May 08, 2026 17:53:00 EDT
Lab Batch #: 260505_MIC

Moisture Content

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

PASS

Analyte	Limit	Results	Status
Moisture	15 %	13.2 %	Pass

Prepared By: No Employee ID
Analyzed By: No Employee ID
Reviewed By: k4gdmc
Analysis Date: May 06, 2026 17:33:00 EDT
Prep Weight: 1.0133 Grams
Lab Batch #: 260506_MC

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
	1:n	µg/g	µg/g	µg/g	
Aflatoxin B1	1	0.0106		< LOQ	N/A
Aflatoxin B2	1	0.0106		< LOQ	N/A
Aflatoxin G1	1	0.0106		< LOQ	N/A
Aflatoxins			**0.02**	**< LOQ**	**Pass**

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	µg/g	µg/g	µg/g	
Aflatoxin G2	1	0.0106		< LOQ	N/A
Ochratoxin A	1	0.0106	0.02	< LOQ	Pass
Aflatoxins			**0.02**	**< LOQ**	**Pass**

Prepared By: k4gdmc
Analyzed By: k4gdmc
Reviewed By: k4gdmc
Analysis Date: May 06, 2026 19:00:00 EDT
Prep Weight: 0.9478 Grams
Lab Batch #: 260501_PEST

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ilac-MRA

PJLA Testing Accreditation #116070

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May 08, 2026

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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	0.106	0.5	< LOQ	Pass
Acephate	1	0.106	0.4	< LOQ	Pass
Acequinocyl	1	0.106	2	< LOQ	Pass
Acetamiprid	1	0.106	0.2	< LOQ	Pass
Aldicarb	1	0.106	0.4	< LOQ	Pass
Azadirachtin	1	0.106	1	< LOQ	Pass
Azoxystrobin	1	0.106	0.2	< LOQ	Pass
Bifenazate	1	0.106	0.2	< LOQ	Pass
Bifenthrin	1	0.106	0.2	< LOQ	Pass
Boscalid	1	0.106	0.4	< LOQ	Pass
Captan	1	0.528	1	< LOQ	Pass
Carbaryl	1	0.106	0.2	< LOQ	Pass
Carbofuran	1	0.106	0.2	< LOQ	Pass
Chlorantranil-iprole	1	0.106	0.2	< LOQ	Pass
Chlordane	1	0.422	1	< LOQ	Pass
Chlorfenapyr	1	0.106	1	< LOQ	Pass
Chlormequat chloride	1	0.106	1	< LOQ	Pass
Chlorpyrifos	1	0.106	0.2	< LOQ	Pass
Clofentezine	1	0.106	0.2	< LOQ	Pass
Coumaphos	1	0.106	1	< LOQ	Pass
Cyfluthrin	1	0.106	1	< LOQ	Pass
Cypermethrin	1	0.106	1	< LOQ	Pass
Daminozide	1	0.106	1	< LOQ	Pass
Diazinon	1	0.106	0.2	< LOQ	Pass
Dichlorvos	1	0.106	1	< LOQ	Pass
Dimethoate	1	0.106	0.2	< LOQ	Pass
Dimethomorph	1	0.106	1	< LOQ	Pass
Ethoprophos	1	0.106	0.2	< LOQ	Pass
Etofenprox	1	0.106	0.4	< LOQ	Pass
Etoxazole	1	0.106	0.2	< LOQ	Pass
Fenhexamid	1	0.106	1	< LOQ	Pass
Fenoxycarb	1	0.106	0.2	< LOQ	Pass
Fenpyroximate	1	0.106	0.4	< LOQ	Pass
Fipronil	1	0.106	0.4	< LOQ	Pass
Flonicamid	1	0.106	1	< LOQ	Pass
Fludioxonil	1	0.106	0.4	< LOQ	Pass
Hexythiazox	1	0.106	1	< LOQ	Pass
Imazalil	1	0.106	0.2	< LOQ	Pass
Imidacloprid	1	0.106	0.4	< LOQ	Pass
Indole-3-butyric acid	1	0.106	1	< LOQ	Pass

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	ppm	ppm	ppm	
Kresoxim-methyl	1	0.106	0.4	< LOQ	Pass
Malathion	1	0.106	0.2	< LOQ	Pass
Metalaxyl	1	0.106	0.2	< LOQ	Pass
Methiocarb	1	0.106	0.2	< LOQ	Pass
Methomyl	1	0.106	0.4	< LOQ	Pass
Methyl parathion	1	0.106	0.2	< LOQ	Pass
Mevinphos	1	0.106	1	< LOQ	Pass
MGK-264			0.2	< LOQ	Pass
MGK-264 I	1	0.0347		< LOQ	N/A
MGK-264 II	1	0.0682		< LOQ	N/A
Myclobutanil	1	0.106	0.2	< LOQ	Pass
Naled	1	0.106	0.5	< LOQ	Pass
Oxamyl	1	0.106	1	< LOQ	Pass
Paclobutrazol	1	0.106	0.4	< LOQ	Pass
Pentachloroni-trobenzene	1	0.106	1	< LOQ	Pass
Permethrin			0.2	< LOQ	Pass
Permethrin cis	1	0.0485		< LOQ	N/A
Permethrin trans	1	0.0570		< LOQ	N/A
Phosmet	1	0.106	0.2	< LOQ	Pass
Piperonylbuto-xide	1	0.106	2	< LOQ	Pass
Prallethrin	1	0.106	0.2	< LOQ	Pass
Propiconazole	1	0.106	0.4	< LOQ	Pass
Propoxur	1	0.106	0.2	< LOQ	Pass
Pyrethrins			1	< LOQ	Pass
Pyrethrins Cinerin I	1	0.00570		< LOQ	N/A
Pyrethrins Jasmolin I	1	0.00399		< LOQ	N/A
Pyrethrins Pyrethrin I	1	0.0561		< LOQ	N/A
Pyridaben	1	0.106	0.2	< LOQ	Pass
Spinetoram	1	0.106	1	< LOQ	Pass
Spinosad			0.2	< LOQ	Pass
Spinosad A	1	0.0850		< LOQ	N/A
Spinosad D	1	0.0184		< LOQ	N/A
Spiromesifen	1	0.106	0.2	< LOQ	Pass
Spirotetramat	1	0.106	0.2	< LOQ	Pass
Spiroxamine	1	0.106	0.2	< LOQ	Pass
Tebuconazole	1	0.106	0.4	< LOQ	Pass
Thiacloprid	1	0.106	0.2	< LOQ	Pass
Thiamethoxam	1	0.106	0.2	< LOQ	Pass
Trifloxystrob-in	1	0.106	0.2	< LOQ	Pass

Prepared By: k4gdmc
Analysis Date: May 08, 2026 18:00:00 EDT, May 08, 2026 16:34:00 EDT

Analyzed By: k4gdmc
Prep Weight: 0.9478 Grams

Reviewed By: k4gdmc
Lab Batch #: 260501_PEST

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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	0.0207		0.1614	1.6140
α-Humulene	1	0.0207		0.2229	2.2290
α-Phellandrene	1	0.0207		< LOQ	< LOQ
α-Pinene	1	0.0207		< LOQ	< LOQ
α-Terpinene	1	0.0207		< LOQ	< LOQ
β-Caryophyllene	1	0.0207		0.7456	7.4560
β-Myrcene	1	0.0207		0.3145	3.1450
β-Pinene	1	0.0207		0.0391	0.3910
Camphene	1	0.0207		< LOQ	< LOQ
Caryophyllene Oxide	1	0.0207		0.0230	0.2300
cis-β-Ocimene	1	0.0058		< LOQ	< LOQ
d-Limonene	1	0.0207		0.2654	2.6540
Δ^3-Carene	1	0.0207		< LOQ	< LOQ
Eucalyptol	1	0.0207		< LOQ	< LOQ
Total Terpenes*				**1.9174**	**19.1740**

Analyte	Dilution	LOQ	Limit	Results	Results
	1:n	%		%	mg/g
Fenchol	1	0.0207		0.0274	0.2740
γ-Terpinene	1	0.0207		< LOQ	< LOQ
Geraniol	1	0.0207		< LOQ	< LOQ
Guaiol	1	0.0207		0.0716	0.7160
Isopulegol	1	0.0207		< LOQ	< LOQ
Linalool	1	0.0207		0.0231	0.2310
p-Cymene	1	0.0207		< LOQ	< LOQ
Terpineol	1	0.0207		0.0234	0.2340
Terpinolene	1	0.0207		< LOQ	< LOQ
trans-β-Farnesene	1	0.0207		< LOQ	< LOQ
trans-β-Ocimene	1	0.0139		< LOQ	< LOQ
trans-Nerolidol	1	0.0207		< LOQ	< LOQ
Valencene	1	0.0207		< LOQ	< LOQ
Total Terpenes*				**1.9174**	**19.1740**

* Beyond scope of accreditation

Prepared By: dcab3b
Analysis Date: May 06, 2026 16:29:00 EDT

Analyzed By: dcab3b
Prep Weight: 0.0965 Grams

Reviewed By: dcab3b
Lab Batch #: 260504_TERP

Water Activity

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

PASS

Analyte	Limit	Results	Status
Water Activity	0.65 Aw	0.55 Aw	Pass

Prepared By: No Employee ID
Analysis Date: May 06, 2026 17:55:00 EDT

Analyzed By: No Employee ID
Prep Weight: Grams

Reviewed By: No Employee ID
Lab Batch #: 260506_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-T-002: Terpenes by GC-MS
(-)-Caryophyllene oxide, (-)-Guaiol, (-)-Isopulegol, (-)-alpha-Bisabolol, (-)-beta-Pinene, (R)-(+)-Limonene, 1,8-Cineole, Camphene, Caryophyllene Oxide, Delta-3-Carene, Eucalyptol, Farnesene, Fenchol, Geraniol, Guaiol, 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

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Accreditation #116070

Logan Alvarez
Lead Technical Director
May 08, 2026

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