



# CERTIFICATE OF ANALYSIS

Regulatory Compliance Testing

This is a revised COA issued on Mar 26, 2026

Overall Result



PASS

Mark Turk Farms LLC

pg 1 of 6

Colorado Chem 3.5grams

Flower



### SAMPLE INFORMATION

**Sample ID:** CTNY-260309-001  
**Sample Name:** Colorado Chem 3.5grams  
**Matrix:** Raw Plant Material - Final Form  
**Product:** Flower  
**Batch No.:** 0001  
**Test Pkg:** 1A412030000193C000000017  
**Batch Size:** 3200 Units  
**Sample Size:** 13 Units  
**Package Size:** 3.5 g  
**Cultivar(s):** Colorado Chem  
**Date Collected:** Mar 11, 2026  
**Time Collected:** 08:28:22  
**Date Received:** Mar 11, 2026  
**Category:** Raw Plant Material - Final Form  
**Compliance Type:** Adult Use  
**Received By:** Logan Emerson Alvarez

### CULTIVATOR

**Mark Turk Farms LLC**  
**License:** OCM-MICR-24-000007  
**Address:** 610 Main Street  
 Granville, New York 12832

### MANUFACTURER

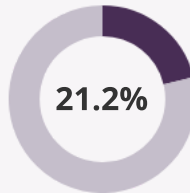
**Mark Turk Farms LLC**  
**License:** OCM-MICR-24-000007  
**Address:** 610 Main Street  
 Granville, New York 12832

### CONTACT

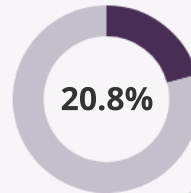
**mark turk**  
**Phone:** (914) 382-6822  
**Address:** 610 Main Street  
 Granville, New York 12832

### Cannabinoids

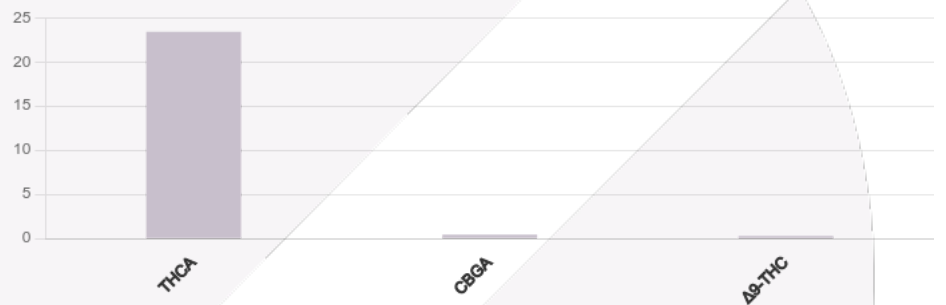
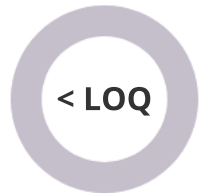
TOTAL CANNABINOIDS



TOTAL THC

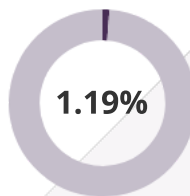


TOTAL CBD



### Terpenes

TOTAL TERPENES



### TOP 5 TERPENES

Terpene	Percentage	Profile	Icon
d-Limonene	0.27%	Citrus	
β-Caryophyllene	0.26%	Spicy	
Linalool	0.16%	Floral	
β-Myrcene	0.12%	Herbal	
α-Humulene	0.1%	Hops	

### PROFILE

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



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



*Logan Alvarez*

Logan Alvarez  
 Lead Technical Director  
 Mar 26, 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



# Colorado Chem 3.5grams

## Regulatory Compliance Testing

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Mar 26, 2026

Sample ID: CTNY-260309-001

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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 <sup>10</sup> -THC*	30	0.207	< LOQ	< LOQ	< LOQ	
9S-Δ <sup>10</sup> -THC*	30	0.207	< LOQ	< LOQ	< LOQ	
CBC	30	0.207	< LOQ	< LOQ	< LOQ	
CBD	30	0.207	< LOQ	< LOQ	< LOQ	
CBDA	30	0.207	< LOQ	< LOQ	< LOQ	
CBDV	30	0.207	< LOQ	< LOQ	< LOQ	
CBG	30	0.207	< LOQ	< LOQ	< LOQ	
<b>Total THC</b>			<b>20.8</b>	<b>208</b>	<b>728</b>	
<b>Total CBD</b>			<b>&lt; LOQ</b>	<b>&lt; LOQ</b>	<b>&lt; LOQ</b>	

\* Beyond scope of accreditation

Prepared By: k4gdmc  
Analysis Date: Mar 16, 2026 17:00:00 EDT

Analyzed By: k4gdmc  
Prep Weight: 0.2112 Grams

Reviewed By: k4gdmc  
Lab Batch #: NP260030

Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv
CBGA*	30	0.207	0.447	4.47	15.6	
CBN	30	0.207	< LOQ	< LOQ	< LOQ	
Δ <sup>8</sup> -THC	30	0.207	< LOQ	< LOQ	< LOQ	
Δ <sup>9</sup> -THC	30	0.207	0.307	3.07	10.7	
Δ <sup>10</sup> -THC			< LOQ	< LOQ	< LOQ	
THCA*	30	0.207	23.4	234	819	
THCV	30	0.207	< LOQ	< LOQ	< LOQ	
<b>Total THC</b>			<b>20.8</b>	<b>208</b>	<b>728</b>	
<b>Total CBD</b>			<b>&lt; LOQ</b>	<b>&lt; LOQ</b>	<b>&lt; LOQ</b>	

### 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: Mar 11, 2026 16:52:00 EDT

Analyzed By: No Employee ID  
Prep Weight: Grams

Reviewed By: No Employee ID  
Lab Batch #: NF260010

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

### 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	0.080	2	< LOQ	Pass
Arsenic	2	0.080	0.2	0.112	Pass
Cadmium	2	0.080	0.2	< LOQ	Pass
Chromium	2	0.399	110	< LOQ	Pass

Prepared By: dcab3b  
Analysis Date: Mar 16, 2026 15:44:00 EDT

Analyzed By: dcab3b  
Prep Weight: 0.5016 Grams

Reviewed By: dcab3b  
Lab Batch #: NM260026

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	µg/g	µg/g	µg/g	
Copper	2	0.399	30	9.769	Pass
Lead	2	0.080	0.5	0.184	Pass
Mercury	2	0.080	0.1	< LOQ	Pass
Nickel	2	0.399	5	< LOQ	Pass

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Logan Alvarez  
 Lead Technical Director  
 Mar 26, 2026

Definitions and Equations: Total THC = THCa\*0.877 + Δ<sup>8</sup>-THC + Δ<sup>9</sup>-THC + Δ<sup>10</sup>-THC, Δ<sup>10</sup>-THC = 9R-Δ<sup>10</sup>-THC + 9S-Δ<sup>10</sup>-THC, Total CBD = CBDA\*0.877 + CBD, Total Cannabinoids = All analytes summed excluding the isomers 9R-Δ<sup>10</sup>-THC and 9S-Δ<sup>10</sup>-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:
Aerobic Bacteria	CFU/g 100		CFU/g < LOQ	N/A	Micro: Total Viable Aerobic Bacteria by Biomerieux Tempo
					Prepared By: No Employee ID Analysis Date: Mar 12, 2026 12:04:00 EDT
					Reviewed By: No Employee ID Lab Batch #: NB260026
					Analyzed By: No Employee ID
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Aspergillus flavus	CFU/g 1.00	CFU/g Absent in any amt	CFU/g Absent	Pass	Micro: Aspergillus by Biomerieux Gene-Up
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	
					Prepared By: k4gdmc Analysis Date: Mar 12, 2026 12:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB260025-NB260026
					Analyzed By: k4gdmc
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Salmonella spp.	CFU/g 1.00	CFU/g Absent in any amt	CFU/g Absent	Pass	Micro: Salmonella by Biomerieux Gene-Up
					Prepared By: k4gdmc Analysis Date: Mar 12, 2026 12:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB260025-NB260026
					Analyzed By: k4gdmc
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Shiga toxin-producing E. coli	CFU/g 1.00	CFU/g Absent in any amt	CFU/g Absent	Pass	Micro: Shiga Toxin-producing E. Coli by Biomerieux Gene-Up
					Prepared By: k4gdmc Analysis Date: Mar 12, 2026 12:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB260025-NB260026
					Analyzed By: k4gdmc
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Yeast & Mold	CFU/g 100		CFU/g < LOQ	N/A	Micro: Total Yeast & Mold by Biomerieux Tempo
					Prepared By: k4gdmc Analysis Date: Mar 14, 2026 14:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB260026
					Analyzed By: k4gdmc

### Moisture Content

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

PASS

Analyte	Limit	Results	Status
Moisture	15 %	9.8 %	Pass
Prepared By: No Employee ID Analysis Date: Mar 12, 2026 08:56:00 EDT			
Analyzed By: No Employee ID Prep Weight: 1.0606 Grams			
Reviewed By: k4gdmc Lab Batch #: NS260024			

### 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
Aflatoxin B1	1:n	µg/g 0.0100	µg/g	µg/g < LOQ	N/A
Aflatoxin B2	1	0.0100		< LOQ	N/A
Aflatoxin G1	1	0.0100		< LOQ	N/A
<b>Aflatoxins</b>			<b>0.02</b>	<b>&lt; LOQ</b>	<b>Pass</b>
Prepared By: k4gdmc Analysis Date: Mar 13, 2026 17:00:00 EDT					
Analyzed By: k4gdmc Prep Weight: 0.9955 Grams					
Reviewed By: k4gdmc Lab Batch #: NPM260025					

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Logan Alvarez  
 Lead Technical Director  
 Mar 26, 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	Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	ppm	ppm	ppm			1:n	ppm	ppm	ppm	
Abamectin	1	0.100	0.5	< LOQ	Pass	Kresoxim-methyl	1	0.100	0.4	< LOQ	Pass
Acephate	1	0.100	0.4	< LOQ	Pass	Malathion	1	0.100	0.2	< LOQ	Pass
Acequinocyl	1	0.100	2	< LOQ	Pass	Metaxyl	1	0.100	0.2	< LOQ	Pass
Acetamiprid	1	0.100	0.2	< LOQ	Pass	Methiocarb	1	0.100	0.2	< LOQ	Pass
Aldicarb	1	0.100	0.4	< LOQ	Pass	Methomyl	1	0.100	0.4	< LOQ	Pass
Azadirachtin	1	0.100	1	< LOQ	Pass	Methyl parathion	1	0.100	0.2	< LOQ	Pass
Azoxystrobin	1	0.100	0.2	< LOQ	Pass	Mevinphos	1	0.100	1	< LOQ	Pass
Bifenazate	1	0.100	0.2	< LOQ	Pass	MGK-264			0.2	< LOQ	Pass
Bifenthrin	1	0.100	0.2	< LOQ	Pass	MGK-264 I*	1	0.0330		< LOQ	N/A
Boscalid	1	0.100	0.4	< LOQ	Pass	MGK-264 II*	1	0.0649		< LOQ	N/A
Captan	1	0.502	1	< LOQ	Pass	Myclobutanil	1	0.100	0.2	< LOQ	Pass
Carbaryl	1	0.100	0.2	< LOQ	Pass	Naled	1	0.100	0.5	< LOQ	Pass
Carbofuran	1	0.100	0.2	< LOQ	Pass	Oxamyl	1	0.100	1	< LOQ	Pass
Chlorantranil- iprole	1	0.100	0.2	< LOQ	Pass	Paclobutrazol	1	0.100	0.4	< LOQ	Pass
Chlordane	1	0.402	1	< LOQ	Pass	Pentachloroni- trobenzene	1	0.100	1	< LOQ	Pass
Chlorfenapyr	1	0.100	1	< LOQ	Pass	Permethrin			0.2	< LOQ	Pass
Chloromequat chloride	1	0.100	1	< LOQ	Pass	Permethrin cis*	1	0.0462		< LOQ	N/A
Chlorpyrifos	1	0.100	0.2	< LOQ	Pass	Permethrin trans*	1	0.0542		< LOQ	N/A
Clofentezine	1	0.100	0.2	< LOQ	Pass	Phosmet	1	0.100	0.2	< LOQ	Pass
Coumaphos	1	0.100	1	< LOQ	Pass	Piperonylbuto- xide	1	0.100	2	< LOQ	Pass
Cyfluthrin	1	0.100	1	< LOQ	Pass	Prallethrin	1	0.100	0.2	< LOQ	Pass
Cypermethrin	1	0.100	1	< LOQ	Pass	Propiconazole	1	0.100	0.4	< LOQ	Pass
Daminozide	1	0.100	1	< LOQ	Pass	Propoxur	1	0.100	0.2	< LOQ	Pass
Diazinon	1	0.100	0.2	< LOQ	Pass	Pyrethrins			1	< LOQ	Pass
Dichlorvos	1	0.100	1	< LOQ	Pass	Pyrethrins Cinerin I*	1	0.00542		< LOQ	N/A
Dimethoate	1	0.100	0.2	< LOQ	Pass	Pyrethrins Jasmolin I*	1	0.00380		< LOQ	N/A
Dimethomorph	1	0.100	1	< LOQ	Pass	Pyrethrins Pyrethrin I*	1	0.0534		< LOQ	N/A
Ethoprophos	1	0.100	0.2	< LOQ	Pass	Pyridaben	1	0.100	0.2	< LOQ	Pass
Etofenprox	1	0.100	0.4	< LOQ	Pass	Spinetoram	1	0.100	1	< LOQ	Pass
Etoxazole	1	0.100	0.2	< LOQ	Pass	Spinosad*			0.2	< LOQ	Pass
Fenhexamid	1	0.100	1	< LOQ	Pass	Spinosad A*	1	0.0810		< LOQ	N/A
Fenoxycarb	1	0.100	0.2	< LOQ	Pass	Spinosad D*	1	0.0175		< LOQ	N/A
Fenpyroximate	1	0.100	0.4	< LOQ	Pass	Spiromesifen	1	0.100	0.2	< LOQ	Pass
Fipronil	1	0.100	0.4	< LOQ	Pass	Spirotetramat	1	0.100	0.2	< LOQ	Pass
Flonicamid	1	0.100	1	< LOQ	Pass	Spiroxamine	1	0.100	0.2	< LOQ	Pass
Fludioxonil	1	0.100	0.4	< LOQ	Pass	Tebuconazole	1	0.100	0.4	< LOQ	Pass
Hexythiazox	1	0.100	1	< LOQ	Pass	Thiacloprid	1	0.100	0.2	< LOQ	Pass
Imazalil	1	0.100	0.2	< LOQ	Pass	Thiamethoxam	1	0.100	0.2	< LOQ	Pass
Imidacloprid	1	0.100	0.4	< LOQ	Pass	Trifloxystrob- in	1	0.100	0.2	< LOQ	Pass
Indole-3-butyric acid	1	0.100	1	< LOQ	Pass						

\* Beyond scope of accreditation

Prepared By: k4gdmc  
Analysis Date: Mar 13, 2026 17:00:00 EDT

Analyzed By: k4gdmc  
Prep Weight: 0.9955 Grams

Reviewed By: k4gdmc  
Lab Batch #: NPM260025



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Lead Technical Director  
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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	< LOQ	< LOQ	
α-Humulene	1	0.0197	0.1013	1.0130	
α-Phellandrene	1	0.0197	< LOQ	< LOQ	
α-Pinene	1	0.0197	0.0197	0.1970	
α-Terpinene	1	0.0197	< LOQ	< LOQ	
β-Caryophyllene*	1	0.0197	0.2579	2.5790	
β-Myrcene	1	0.0197	0.1207	1.2070	
β-Pinene*	1	0.0197	0.0370	0.3700	
Camphene	1	0.0197	< LOQ	< LOQ	
Caryophyllene Oxide*	1	0.0197	0.0255	0.2550	
cis-β-Ocimene*	1	0.0055	< LOQ	< LOQ	
d-Limonene*	1	0.0197	0.2703	2.7030	
Δ <sup>3</sup> -Carene	1	0.0197	< LOQ	< LOQ	
Eucalyptol*	1	0.0197	< LOQ	< LOQ	
<b>Total Terpenes*</b>			<b>11.5</b>	<b>1.1917</b>	<b>11.9170</b>

\* Beyond scope of accreditation

Prepared By: k4gdmc  
Analysis Date: Mar 16, 2026 20:00:00 EDT

Analyzed By: k4gdmc  
Prep Weight: 0.1017 Grams

Reviewed By: k4gdmc  
Lab Batch #: NT260026

### Water Activity

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

PASS

Analyte	Limit	Results	Status
Water Activity	0.65 Aw	0.34 Aw	Pass

Prepared By: k4gdmc  
Analysis Date: Mar 12, 2026 15:00:00 EDT

Analyzed By: k4gdmc  
Prep Weight: Grams

Reviewed By: k4gdmc  
Lab Batch #: NW260018

#### Notes

Logan Emerson Alvarez COA revised to include METRC testing information.  
Mar 26, 2026



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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, Fonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Indole-3-butyric acid, Kresoxim-methyl, MGK-264, Malathion, Metalaxyl, Methiocarb, Methomyl, Methyl parathion, Mevinphos, Myclobutanil, Naled, Oxamyl, Paclitaxel, Pentachloronitrobenzene, Permethrin, Phosmet, Piperonylbutoxide, Prallethrin, Propiconazole, Propoxur, Pyrethrins, Pyridaben, Spinetoram, Spinosyn A, Spinosyn D, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Thiacloprid, Thiamethoxam, Trifloxystrobin

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

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

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

CBC, CBD, CBDA, CBDV, CBG, CBN, Delta-10-THC, Delta-8-THC, Delta-9-THC, Delta-9-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.

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

Water Activity

##### Micro: Total Yeast & Mold by Biomerieux Tempo

Yeast & Mold

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

Moisture

Regulatory Compliance Testing



**Certified Testing and Data**  
150 Broadway STE 194  
Menands, NY 12204  
certifiedtnd.com  
License: OCM-CPL-00009  
Contact: Larry Clement  
ph: 5189005515  
email: info@certifiedtnd.com



Logan Alvarez  
Lead Technical Director  
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