



CERTIFICATE OF ANALYSIS

Regulatory Compliance Testing

This is a revised COA issued on Sep 12, 2025

Overall Result



PASS

UpState Craft Cannabis

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Sub Zero

Flower



SAMPLE INFORMATION

Sample ID: CTNY-250818-001
Sample Name: Sub Zero
Matrix: Cannabis Flower Product
Product: Flower
Batch No.: 3312082025-01
Batch Size: 2640 Units
Sample Size: 13 Units
Cultivar(s): N/A
Date Collected: Aug 18, 2025
Time Collected: 15:35:58
Date Received: Aug 18, 2025
Category: Cannabis_flower_product
Compliance Type: Adult Use
Received By: Alex Eramo

CULTIVATOR

UpState Craft Cannabis
License: OCM-MICR-24-000106
Address: 3312 South Main Unit C
Horseheads, NY 14845

MANUFACTURER

UpState Craft Cannabis
License: OCM-MICR-24-000106
Address: 3312 South Main Unit C
Horseheads, NY 14845

CONTACT

Dale Cole
Phone: (607) 425-3330
Address: 3312 South Main Unit C
Horseheads, NY 14845

Cannabinoids

**TOTAL
CANNABINOIDS**

25.9%

**TOTAL
THC**

25.1%

**TOTAL
CBD**

< LOQ



Terpenes

**TOTAL
TERPENES**

0.84%

TOP 5 TERPENES

d-Limonene	0.22%	Citrus	
β-Caryophyllene	0.19%	Spicy	
Linalool	0.15%	Floral	
β-Myrcene	0.1%	Herbal	
α-Humulene	0.06%	Hops	

PROFILE

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



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Larry Clement
Quality Assurance Officer
Sep 12, 2025

Logan Alvarez
Lead Technical Director
Sep 12, 2025



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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	Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv		1:n	%	%	mg/g	mg/pkg	mg/srv
9R-Δ ¹⁰ .THC		0.191	< LOQ	< LOQ			CBGA		0.191	0.822	8.22		
9S-Δ ¹⁰ .THC		0.191	< LOQ	< LOQ			CBN		0.191	< LOQ	< LOQ		
CBC		0.191	< LOQ	< LOQ			Δ ⁸ .THC		0.191	< LOQ	< LOQ		
CBD		0.191	< LOQ	< LOQ			Δ ⁹ .THC		0.191	0.401	4.01		
CBDA		0.191	< LOQ	< LOQ			Δ ¹⁰ .THC			< LOQ	< LOQ		
CBDV		0.191	< LOQ	< LOQ			THCA		0.191	28.2	282		
CBG		0.191	< LOQ	< LOQ			THCV		0.191	< LOQ	< LOQ		
Total THC			25.1	251			Total THC			25.1	251		
Total CBD			< LOQ	< LOQ			Total CBD			< LOQ	< LOQ		
Prepared By: 38fef6 Analysis Date: Aug 19, 2025 13:33:00 EDT						Analyzed By: 38fef6 Prep Weight: 0.2287 Grams	Reviewed By: 38fef6 Lab Batch #: NP250108						

Foreign Matter

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

PASS

Analyte	Limit	Results	Status	Analyte	Limit	Results	Status
Foreign Matter	2 %	ND	Pass	Stems	5 %	ND	Pass
Mammal Excrement	1 mg/lb	ND	Pass				
Prepared By: 38fef6 Analysis Date: Aug 19, 2025 15:45:00 EDT				Reviewed By: 38fef6 Lab Batch #: NF250029			

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	Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	$\mu\text{g/g}$	$\mu\text{g/g}$	$\mu\text{g/g}$			1:n	$\mu\text{g/g}$	$\mu\text{g/g}$	$\mu\text{g/g}$	
Antimony	2	0.082	2	< LOQ	Pass	Copper	2	0.410	30	10.316	Pass
Arsenic	2	0.082	0.2	< LOQ	Pass	Lead	2	0.082	0.5	< LOQ	Pass
Cadmium	2	0.082	0.2	< LOQ	Pass	Mercury	2	0.082	0.1	< LOQ	Pass
Chromium	2	0.410	110	< LOQ	Pass	Nickel	2	0.410	5	< LOQ	Pass
Prepared By: dcab3b Analysis Date: Aug 20, 2025 11:52:00 EDT						Reviewed By: dcab3b Lab Batch #: NM250058					



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Definitions and Equations: Total THC = THCa*0.877 + Δ^8 -THC + Δ^9 -THC + Δ^{10} -THC, Total CBD = CBDa*0.877 + CBD, Total Cannabinoids = All analytes summed excluding the isomers 9R- Δ^{10} -THC and 9S- Δ^{10} -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 < LOQ	N/A	Prepared By: k4gdmc Analysis Date: Sep 10, 2025 18:00:00 EDT	Reviewed By: k4gdmc Lab Batch #: NB250078	Analyzed By: k4gdmc
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method: Micro: Aspergillus by Biomerieux Gene-Up		
Aspergillus flavus	CFU/g 1.00	CFU/g Absent in any amt	CFU/g Absent	Pass	Prepared By: k4gdmc Analysis Date: Sep 10, 2025 17:00:00 EDT	Reviewed By: k4gdmc Lab Batch #: NB250078	Analyzed By: k4gdmc
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	CFU/g Absent in any amt	CFU/g Absent	Pass	Prepared By: k4gdmc Analysis Date: Sep 10, 2025 17:00:00 EDT	Reviewed By: k4gdmc Lab Batch #: NB250078	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	CFU/g Absent in any amt	CFU/g Absent	Pass	Prepared By: k4gdmc Analysis Date: Sep 10, 2025 17:00:00 EDT	Reviewed By: k4gdmc Lab Batch #: NB250078	Analyzed By: k4gdmc
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method: Micro: Total Yeast & Mold by Biomerieux Tempo		
Yeast & Mold	CFU/g 100		CFU/g < LOQ	N/A	Prepared By: k4gdmc Analysis Date: Sep 12, 2025 19:29:00 EDT	Reviewed By: 38fef6 Lab Batch #: NB250078	Analyzed By: 38fef6

Moisture Content

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

PASS

Analyte	Limit	Results	Status
Moisture	15 %	11.9 %	Pass
Prepared By: dcab3b Analysis Date: Aug 19, 2025 12:53:00 EDT			
Analyzed By: dcab3b Prep Weight: 11.93 Grams			
Reviewed By: dcab3b Lab Batch #: NS250064			

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	0.0107		< LOQ	N/A	Aflatoxin G2	1	0.0107		< LOQ	N/A
Aflatoxin B2	1	0.0107		< LOQ	N/A	Ochratoxin A	1	0.0107	0.02	< LOQ	Pass
Aflatoxin G1	1	0.0107		< LOQ	N/A						
Aflatoxins			0.02	< LOQ	Pass	Aflatoxins			0.02	< LOQ	Pass
Prepared By: 38fef6 Analysis Date: Aug 21, 2025 17:00:00 EDT						Reviewed By: k4gdmc Lab Batch #: NPM250065					
Analyzed By: k4gdmc Prep Weight: 0.9325 Grams											



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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	0.107	0.5	< LOQ	Pass	Kresoxim-methyl	1	0.107	0.4	< LOQ	Pass
Acephate	1	0.107	0.4	< LOQ	Pass	Malathion	1	0.107	0.2	< LOQ	Pass
Acequinocyl	1	0.107	2	< LOQ	Pass	Metalaxyl	1	0.107	0.2	< LOQ	Pass
Acetamiprid	1	0.107	0.2	< LOQ	Pass	Methiocarb	1	0.107	0.2	< LOQ	Pass
Aldicarb	1	0.107	0.4	< LOQ	Pass	Methomyl	1	0.107	0.4	< LOQ	Pass
Azadirachtin	1	0.107	1	< LOQ	Pass	Methyl parathion	1	0.107	0.2	< LOQ	Pass
Azoxystrobin	1	0.107	0.2	< LOQ	Pass	Mevinphos	1	0.107	1	< LOQ	Pass
Bifenazate	1	0.107	0.2	< LOQ	Pass	MGK-264			0.2	< LOQ	Pass
Bifenthrin	1	0.107	0.2	< LOQ	Pass	MGK-264 I	1	0.0353		< LOQ	N/A
Boscalid	1	0.107	0.4	< LOQ	Pass	MGK-264 II	1	0.0693		< LOQ	N/A
Captan	1	0.536	1	< LOQ	Pass	Myclobutanil	1	0.107	0.2	< LOQ	Pass
Carbaryl	1	0.107	0.2	< LOQ	Pass	Naled	1	0.107	0.5	< LOQ	Pass
Carbofuran	1	0.107	0.2	< LOQ	Pass	Oxamyl	1	0.107	1	< LOQ	Pass
Chlorantraniliprole	1	0.107	0.2	< LOQ	Pass	Paclobutrazol	1	0.107	0.4	< LOQ	Pass
Chlordane	1	0.429	1	< LOQ	Pass	Pentachloronitrobenzene	1	0.107	1	< LOQ	Pass
Chlorfenapyr	1	0.107	1	< LOQ	Pass	Permethrin			0.2	< LOQ	Pass
Chlormequat chloride	1	0.107	1	< LOQ	Pass	Permethrin cis	1	0.0493		< LOQ	N/A
Chlorpyrifos	1	0.107	0.2	< LOQ	Pass	Permethrin trans	1	0.0579		< LOQ	N/A
Clofentezine	1	0.107	0.2	< LOQ	Pass	Phosmet	1	0.107	0.2	< LOQ	Pass
Coumaphos	1	0.107	1	< LOQ	Pass	Piperonylbutoxide	1	0.107	2	< LOQ	Pass
Cyfluthrin	1	0.107	1	< LOQ	Pass	Prallethrin	1	0.107	0.2	< LOQ	Pass
Cypermethrin	1	0.107	1	< LOQ	Pass	Propiconazole	1	0.107	0.4	< LOQ	Pass
Daminozide	1	0.107	1	< LOQ	Pass	Propoxur	1	0.107	0.2	< LOQ	Pass
Diazinon	1	0.107	0.2	< LOQ	Pass	Pyrethrins			1	< LOQ	Pass
Dichlorvos	1	0.107	1	< LOQ	Pass	Pyrethrins Cinerin I	1	0.00579		< LOQ	N/A
Dimethoate	1	0.107	0.2	< LOQ	Pass	Pyrethrins Jasmolin I	1	0.00405		< LOQ	N/A
Dimethomorph	1	0.107	1	< LOQ	Pass	Pyrethrins Pyrethrin I	1	0.0571		< LOQ	N/A
Ethoprophos	1	0.107	0.2	< LOQ	Pass	Pyridaben	1	0.107	0.2	< LOQ	Pass
Etofenprox	1	0.107	0.4	< LOQ	Pass	Spinetoram	1	0.107	1	< LOQ	Pass
Etoxazole	1	0.107	0.2	< LOQ	Pass	Spinosad			0.2	< LOQ	Pass
Fenhexamid	1	0.107	1	< LOQ	Pass	Spinosad A	1	0.0864		< LOQ	N/A
Fenoxycarb	1	0.107	0.2	< LOQ	Pass	Spinosad D	1	0.0187		< LOQ	N/A
Fenpyroximate	1	0.107	0.4	< LOQ	Pass	Spiromesifen	1	0.107	0.2	< LOQ	Pass
Fipronil	1	0.107	0.4	< LOQ	Pass	Spirotetramat	1	0.107	0.2	< LOQ	Pass
Flonicamid	1	0.107	1	< LOQ	Pass	Spiroxamine	1	0.107	0.2	< LOQ	Pass
Fludioxonil	1	0.107	0.4	< LOQ	Pass	Tebuconazole	1	0.107	0.4	< LOQ	Pass
Hexythiazox	1	0.107	1	< LOQ	Pass	Thiacloprid	1	0.107	0.2	< LOQ	Pass
Imazalil	1	0.107	0.2	< LOQ	Pass	Thiamethoxam	1	0.107	0.2	< LOQ	Pass
Imidacloprid	1	0.107	0.4	< LOQ	Pass	Trifloxystrobin	1	0.107	0.2	< LOQ	Pass
Indole-3-butyric acid	1	0.107	1	< LOQ	Pass						

Prepared By: 38fef6
Analysis Date: Aug 21, 2025 17:00:00 EDT

Analyzed By: k4gdmc
Prep Weight: 0.9325 Grams

Reviewed By: k4gdmc
Lab Batch #: NPM250065



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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	Analyte	Dilution	LOQ	Limit	Results	Results
	1:n	%	%	%	mg/g		1:n	%	%	%	mg/g
α-Bisabolol	1	0.0204		0.0211	0.2110	Fenchol	1	0.0204		0.0213	0.2130
α-Humulene	1	0.0204		0.0550	0.5500	γ-Terpinene	1	0.0204		< LOQ	< LOQ
α-Phellandrene	1	0.0204		< LOQ	< LOQ	Geraniol	1	0.0204		< LOQ	< LOQ
α-Pinene	1	0.0204		0.0211	0.2110	Guaiol	1	0.0204		< LOQ	< LOQ
α-Terpinene	1	0.0204		< LOQ	< LOQ	Isopulegol	1	0.0204		< LOQ	< LOQ
β-Caryophyllene	1	0.0204		0.1917	1.9170	Linalool	1	0.0204		0.1479	1.4790
β-Myrcene	1	0.0204		0.0962	0.9620	p-Cymene	1	0.0204		< LOQ	< LOQ
β-Pinene	1	0.0204		0.0377	0.3770	Terpineol	1	0.0204		0.0270	0.2700
Camphene	1	0.0204		< LOQ	< LOQ	Terpinolene	1	0.0204		< LOQ	< LOQ
Caryophyllene Oxide	1	0.0204		< LOQ	< LOQ	trans-β-Farnesene	1	0.0204		< LOQ	< LOQ
cis-β-Ocimene	1	0.0057		< LOQ	< LOQ	trans-β-Ocimene	1	0.0137		< LOQ	< LOQ
d-Limonene	1	0.0204		0.2228	2.2280	trans-Nerolidol	1	0.0204		< LOQ	< LOQ
Δ ³ -Carene	1	0.0204		< LOQ	< LOQ	Valencene	1	0.0204		< LOQ	< LOQ
Eucalyptol	1	0.0204		< LOQ	< LOQ						
Total Terpenes			11.5	0.8418	8.4180	Total Terpenes			11.5	0.8418	8.4180

Prepared By: dcab3b
Analysis Date: Aug 19, 2025 15:19:00 EDT

Analyzed By: dcab3b
Prep Weight: 0.098 Grams

Reviewed By: dcab3b
Lab Batch #: NT250074

Water Activity

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

PASS

Analyte	Limit	Results	Status
Water Activity	0.65 Aw	0.51 Aw	Pass

Prepared By: 38fef6
Analysis Date: Aug 20, 2025 10:31:00 EDT

Analyzed By: 38fef6
Prep Weight: Grams

Reviewed By: 38fef6
Lab Batch #: NW250044

Notes

Logan Emerson Alvarez
Sep 12, 2025

Aspergillus by Biomerieux Gene-Up
All microbial assays reprocessed with remediated product due to original aspergillus failure. Results of remediated sample are published herein.

Regulatory Compliance Testing



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