



CERTIFICATE OF ANALYSIS

Regulatory Compliance Testing

This is a revised COA issued on Jul 08, 2025

Overall Result



PASS

Alchemy Pure

pg 1 of 5

Moonlight.5g Preroll

Pre-roll



SAMPLE INFORMATION

Sample ID: CTNY-250529-002
Sample Name: Moonlight.5g Preroll
Matrix: Cannabis Flower Product
Product: Pre-roll
Batch No.: 333
Batch Size: 6500 Units
Sample Size: 36 Units
Cultivar(s): N/A
Date Collected: May 29, 2025
Time Collected: 14:40:02
Date Received: May 29, 2025
Category: Cannabis_flower_product
Compliance Type: Adult Use
Received By: Alex Eramo

MANUFACTURER

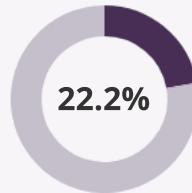
Alchemy Pure
License: OCM-PROC-24-000013
Address: 2775 W Church St
 Pine Plains, NY 12567

CONTACT

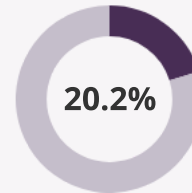
Crystal Hardy
Address: 2775 W Church St
 Pine Plains, NY 12567

Cannabinoids

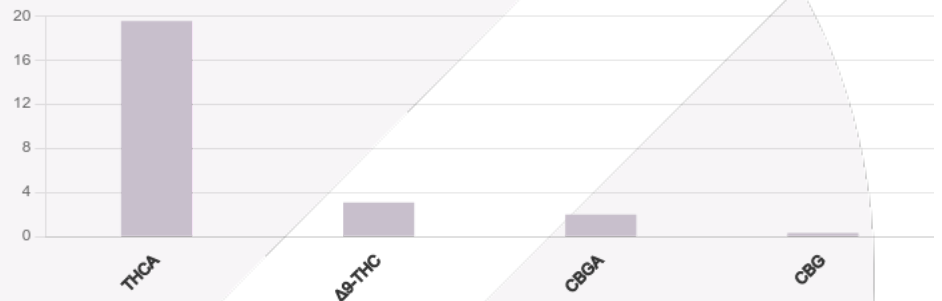
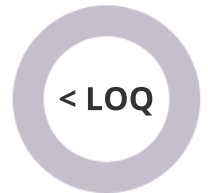
TOTAL CANNABINOIDS



TOTAL THC

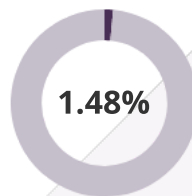


TOTAL CBD



Terpenes

TOTAL TERPENES



TOP 5 TERPENES

Terpene	Percentage	Profile	Icon
β-Caryophyllene	0.77%	Spicy	
α-Humulene	0.33%	Hops	
trans-β-Farnesene	0.18%	Woody	
d-Limonene	0.09%	Citrus	
β-Myrcene	0.05%	Herbal	

PROFILE

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



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Larry Clement
 Quality Assurance Officer
 Jul 08, 2025



Chris Altomare
 Technical Director
 Jul 08, 2025



Moonlight.5g Preroll

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Sample ID: CTNY-250529-002

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Cannabinoids

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

TESTED

Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv
9R- Δ^{10} -THC	0.189	< LOQ	< LOQ			
9S- Δ^{10} -THC	0.189	< LOQ	< LOQ			
CBC	0.189	< LOQ	< LOQ			
CBD	0.189	< LOQ	< LOQ			
CBDA	0.189	< LOQ	< LOQ			
CBDV	0.189	< LOQ	< LOQ			
CBG	0.189	0.323	3.23			
Total THC		20.2	202			
Total CBD		< LOQ	< LOQ			

Analyte	Dilution	LOQ	Results	Results	Results	Results
	1:n	%	%	mg/g	mg/pkg	mg/srv
CBGA	0.189	1.99	19.9			
CBN	0.189	< LOQ	< LOQ			
Δ^8 -THC	0.189	< LOQ	< LOQ			
Δ^9 -THC	0.189	3.07	30.7			
Δ^{10} -THC		< LOQ	< LOQ			
THCA	0.189	19.5	195			
THCV	0.189	< LOQ	< LOQ			
Total THC		20.2	202			
Total CBD		< LOQ	< LOQ			

Prepared By: 38fef6
Analysis Date: Jun 02, 2025 18:39:00 EDT

Analyzed By: 38fef6
Prep Weight: 0.2333 Grams

Reviewed By: 38fef6
Lab Batch #: NP250068

Heavy Metals

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

PASS

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	$\mu\text{g/g}$	$\mu\text{g/g}$	$\mu\text{g/g}$	
Antimony	2	0.079	2	< LOQ	Pass
Arsenic	2	0.079	0.2	< LOQ	Pass
Cadmium	2	0.079	0.2	0.114	Pass
Chromium	2	0.397	110	< LOQ	Pass

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	$\mu\text{g/g}$	$\mu\text{g/g}$	$\mu\text{g/g}$	
Copper	2	0.397	30	14.102	Pass
Lead	2	0.079	0.5	0.082	Pass
Mercury	2	0.079	0.1	< LOQ	Pass
Nickel	2	0.397	5	1.053	Pass


Prepared By: dcab3b
Analysis Date: May 30, 2025 11:13:00 EDT

Analyzed By: dcab3b
Prep Weight: 0.5042 Grams

Reviewed By: dcab3b
Lab Batch #: NM250034



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Larry Clement
Quality Assurance Officer
Jul 08, 2025



Chris Altomare
Technical Director
Jul 08, 2025

Definitions and Equations: Total THC = THCa*0.877 + Δ^8 -THC + Δ^9 -THC + Δ^{10} -THC, Δ^{10} -THC = 9R- Δ^{10} -THC + 9S- 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:
Aerobic Bacteria	CFU/g 100		CFU/g < LOQ	N/A	Micro: Total Viable Aerobic Bacteria by Biomerieux Tempo
					Prepared By: tvckqh Analysis Date: May 31, 2025 14:41:00 EDT
					Reviewed By: 38fef6 Lab Batch #: NB250047
					Analyzed By: 38fef6
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: tvckqh Analysis Date: Jun 02, 2025 15:49:00 EDT
					Reviewed By: tvckqh Lab Batch #: NB250047
					Analyzed By: tvckqh
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	Prepared By: tvckqh Analysis Date: Jun 02, 2025 14:00:00 EDT
Aspergillus niger	1.00	Absent in any amt	Absent	Pass	
Aspergillus terreus	1.00	Absent in any amt	Absent	Pass	
					Analyzed By: tvckqh
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: tvckqh Analysis Date: Jun 02, 2025 14:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB250047
					Analyzed By: tvckqh
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: tvckqh Analysis Date: Jun 02, 2025 14:00:00 EDT
					Reviewed By: k4gdmc Lab Batch #: NB250047
					Analyzed By: tvckqh

Moisture Content

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

PASS

Analyte	Limit	Results	Status
Moisture	15 %	11.2 %	Pass
Prepared By: dcab3b Analysis Date: Jun 03, 2025 08:30:00 EDT			
Analyzed By: dcab3b Prep Weight: 0.9453 Grams			
Reviewed By: dcab3b Lab Batch #: NS250041			

Mycotoxins


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

PASS


Analyte	Dilution	LOQ	Limit	Results	Status	Analyte	Dilution	LOQ	Limit	Results	Status
Aflatoxin B1	1:n	µg/g	µg/g	µg/g	N/A	Aflatoxin G2	1:n	µg/g	µg/g	µg/g	N/A
Aflatoxin B2	1	0.0101		< LOQ	N/A	Ochratoxin A	1	0.0101	0.02	< LOQ	Pass
Aflatoxin G1	1	0.0101		< LOQ	N/A	Aflatoxins			0.02	< LOQ	Pass
Prepared By: 38fef6 Analysis Date: Jun 02, 2025 18:13:00 EDT						Analyzed By: 38fef6 Prep Weight: 0.9887 Grams					
						Reviewed By: k4gdmc Lab Batch #: NPM250044					



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Jul 08, 2025



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Technical Director
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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	0.101	0.5	< LOQ	Pass	Kresoxim-methyl	1	0.101	0.4	< LOQ	Pass
Acephate	1	0.101	0.4	< LOQ	Pass	Malathion	1	0.101	0.2	< LOQ	Pass
Acequinocyl	1	0.101	2	< LOQ	Pass	Metaxyl	1	0.101	0.2	< LOQ	Pass
Acetamiprid	1	0.101	0.2	< LOQ	Pass	Methiocarb	1	0.101	0.2	< LOQ	Pass
Aldicarb	1	0.101	0.4	< LOQ	Pass	Methomyl	1	0.101	0.4	< LOQ	Pass
Azadirachtin	1	0.101	1	< LOQ	Pass	Methyl parathion	1	0.101	0.2	< LOQ	Pass
Azoxystrobin	1	0.101	0.2	< LOQ	Pass	Mevinphos	1	0.101	1	< LOQ	Pass
Bifenazate	1	0.101	0.2	< LOQ	Pass	MGK-264			0.2	< LOQ	Pass
Bifenthrin	1	0.101	0.2	< LOQ	Pass	MGK-264 I	1	0.0333		< LOQ	N/A
Boscalid	1	0.101	0.4	< LOQ	Pass	MGK-264 II	1	0.0653		< LOQ	N/A
Captan	1	0.101	1	< LOQ	Pass	Myclobutanil	1	0.101	0.2	< LOQ	Pass
Carbaryl	1	0.101	0.2	< LOQ	Pass	Naled	1	0.101	0.5	< LOQ	Pass
Carbofuran	1	0.101	0.2	< LOQ	Pass	Oxamyl	1	0.101	1	< LOQ	Pass
Chlorantraniliprole	1	0.101	0.2	< LOQ	Pass	Paclobutrazol	1	0.101	0.4	< LOQ	Pass
Chlordane	1	0.405	1	< LOQ	Pass	Pentachloronitrobenzene	1	0.101	1	< LOQ	Pass
Chlorfenapyr	1	0.101	1	< LOQ	Pass	Permethrin			0.2	< LOQ	Pass
Chlormequat chloride	1	0.101	1	< LOQ	Pass	Permethrin cis	1	0.0465		< LOQ	N/A
Chlorpyrifos	1	0.101	0.2	< LOQ	Pass	Permethrin trans	1	0.0546		< LOQ	N/A
Clofentezine	1	0.101	0.2	< LOQ	Pass	Phosmet	1	0.101	0.2	< LOQ	Pass
Coumaphos	1	0.101	1	< LOQ	Pass	Piperonylbutoxide	1	0.101	2	< LOQ	Pass
Cyfluthrin	1	0.101	1	< LOQ	Pass	Prallethrin	1	0.101	0.2	< LOQ	Pass
Cypermethrin	1	0.101	1	< LOQ	Pass	Propiconazole	1	0.101	0.4	< LOQ	Pass
Daminozide	1	0.101	1	< LOQ	Pass	Propoxur	1	0.101	0.2	< LOQ	Pass
Diazinon	1	0.101	0.2	< LOQ	Pass	Pyrethrins			1	< LOQ	Pass
Dichlorvos	1	0.101	1	< LOQ	Pass	Pyrethrins Cinerin I	1	0.00546		< LOQ	N/A
Dimethoate	1	0.101	0.2	< LOQ	Pass	Pyrethrins Jasmolin I	1	0.00382		< LOQ	N/A
Dimethomorph	1	0.101	1	< LOQ	Pass	Pyrethrins Pyrethrin I	1	0.0538		< LOQ	N/A
Ethoprophos	1	0.101	0.2	< LOQ	Pass	Pyridaben	1	0.101	0.2	< LOQ	Pass
Etofenprox	1	0.101	0.4	< LOQ	Pass	Spinetoram	1	0.101	1	< LOQ	Pass
Etoxazole	1	0.101	0.2	< LOQ	Pass	Spinosad			0.2	< LOQ	Pass
Fenhexamid	1	0.101	1	< LOQ	Pass	Spinosad A	1	0.0815		< LOQ	N/A
Fenoxycarb	1	0.101	0.2	< LOQ	Pass	Spinosad D	1	0.0176		< LOQ	N/A
Fenpyroximate	1	0.101	0.4	< LOQ	Pass	Spiromesifen	1	0.101	0.2	< LOQ	Pass
Fipronil	1	0.101	0.4	< LOQ	Pass	Spirotetramat	1	0.101	0.2	< LOQ	Pass
Flonicamid	1	0.101	1	< LOQ	Pass	Spiroxamine	1	0.101	0.2	< LOQ	Pass
Fludioxonil	1	0.101	0.4	< LOQ	Pass	Tebuconazole	1	0.101	0.4	< LOQ	Pass
Hexythiazox	1	0.101	1	< LOQ	Pass	Thiacloprid	1	0.101	0.2	< LOQ	Pass
Imazalil	1	0.101	0.2	< LOQ	Pass	Thiamethoxam	1	0.101	0.2	< LOQ	Pass
Imidacloprid	1	0.101	0.4	< LOQ	Pass	Trifloxystrobin	1	0.101	0.2	< LOQ	Pass
Indole-3-butyric acid	1	0.101	1	< LOQ	Pass						

Prepared By: 38fef6
Analysis Date: Jun 02, 2025 18:13:00 EDT

Analyzed By: 38fef6
Prep Weight: 0.9887 Grams

Reviewed By: k4gdmc
Lab Batch #: NPM250044



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Terpenes

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

PASS

Analyte	Dilution	LOQ	Limit	Results	Results
	1:n	%	%	%	mg/g
α-Bisabolol	1	0.0200		0.0281	0.2810
α-Humulene	1	0.0200		0.3254	3.2540
α-Phellandrene	1	0.0200		< LOQ	< LOQ
α-Pinene	1	0.0200		< LOQ	< LOQ
α-Terpinene	1	0.0200		< LOQ	< LOQ
β-Caryophyllene	1	0.0200		0.7704	7.7040
β-Myrcene	1	0.0200		0.0498	0.4980
β-Pinene	1	0.0200		< LOQ	< LOQ
Camphene	1	0.0200		< LOQ	< LOQ
Caryophyllene Oxide	1	0.0200		0.0366	0.3660
cis-β-Ocimene	1	0.0056		< LOQ	< LOQ
d-Limonene	1	0.0200		0.0860	0.8600
Δ ³ -Carene	1	0.0200		< LOQ	< LOQ
Eucalyptol	1	0.0200		< LOQ	< LOQ
Total Terpenes			11.5	1.4792	14.7920

Analyte	Dilution	LOQ	Limit	Results	Results
	1:n	%	%	%	mg/g
Fenchol	1	0.0200		< LOQ	< LOQ
γ-Terpinene	1	0.0200		< LOQ	< LOQ
Geraniol	1	0.0200		< LOQ	< LOQ
Guaiol	1	0.0200		< LOQ	< LOQ
Isopulegol	1	0.0200		< LOQ	< LOQ
Linalool	1	0.0200		< LOQ	< LOQ
p-Cymene	1	0.0200		< LOQ	< LOQ
Terpineol	1	0.0200		< LOQ	< LOQ
Terpinolene	1	0.0200		< LOQ	< LOQ
trans-β-Farnesene	1	0.0200		0.1829	1.8290
trans-β-Ocimene	1	0.0134		< LOQ	< LOQ
trans-Nerolidol	1	0.0200		< LOQ	< LOQ
Valencene	1	0.0200		< LOQ	< LOQ
Total Terpenes			11.5	1.4792	14.7920

Prepared By: dcab3b
Analysis Date: Jun 02, 2025 12:00:00 EDT

Analyzed By: dcab3b
Prep Weight: 0.0998 Grams

Reviewed By: tvckqh
Lab Batch #: NT250049

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: 38fef6
Analysis Date: Jun 03, 2025 09:35:00 EDT

Analyzed By: 38fef6
Prep Weight: Grams

Reviewed By: 38fef6
Lab Batch #: NW250029

Notes

Chris Altomare
Jul 08, 2025
Adjusted batch size from 18120 to 6500 per OCM.

Regulatory Compliance Testing



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