



CERTIFICATE OF ANALYSIS

Regulatory Compliance Testing

Report Date: Nov 06, 2025

Overall Result



PASS

NanoCann Independent Research

pg 1 of 6

Munchkins - Flower - Packaged - 28g - Sour Diesel - Sativa

Flower

SAMPLE INFORMATION

Sample ID: CTNY-251030-014
Sample Name: Munchkins - Flower - Packaged - 28g - Sour Diesel - Sativa
Matrix: Cannabis Flower Product
Product: Flower
Batch No.: M-F-28G-SD-102725
Batch Size: 410 Units
Sample Size: 5 Units
Cultivar(s): Sour Diesel
Date Collected: Oct 31, 2025
Time Collected: 09:37:43
Date Received: Oct 31, 2025
Category: Cannabis_flower_product
Compliance Type: Adult Use
Received By: Robert M Konetchy, Jr

MANUFACTURER

NanoCann Independent Research
License: OCM-PROC-24-000176
Address: 399 Smith St
Farmingdale, NY 11735

CONTACT

Kara Sinkankas
Address: 399 Smith St
Farmingdale, NY 11735

Cannabinoids

TOTAL CANNABINOIDS

25.9%

TOTAL THC

25.3%

TOTAL CBD

< LOQ



Terpenes

TOTAL TERPENES

1.68%

TOP 5 TERPENES

β-Caryophyllene	0.69%	Spicy	
α-Humulene	0.27%	Hops	
d-Limonene	0.26%	Citrus	
β-Myrcene	0.16%	Herbal	
α-Bisabolol	0.12%	Floral	

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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Quality Assurance Officer

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



Munchkins - Flower - Packaged - 28g - Sour Diesel - Sativa

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*		0.184	< LOQ	< LOQ		
9S-Δ ¹⁰ -THC*		0.184	< LOQ	< LOQ		
CBC		0.184	< LOQ	< LOQ		
CBD		0.184	< LOQ	< LOQ		
CBDA		0.184	< LOQ	< LOQ		
CBDV		0.184	< LOQ	< LOQ		
CBG		0.184	< LOQ	< LOQ		
Total THC			25.3	253		
Total CBD			< LOQ	< LOQ		

* Beyond scope of accreditation

Prepared By: 38fef6
Analysis Date: Nov 04, 2025 16:29:00 EST

Analyzed By: 38fef6
Prep Weight: 0.2472 Grams

Reviewed By: 38fef6
Lab Batch #: NP250042

Foreign Matter

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

PASS

Analyte	Limit	Results	Status
Foreign Matter	2 %	ND	Pass
Mammal Excrement*	1 mg/lb	ND	Pass

* Beyond scope of accreditation

Prepared By: dcab3b
Analysis Date: Nov 04, 2025 15:33:00 EST

Analyzed By: dcab3b
Prep Weight: Grams

Reviewed By: dcab3b
Lab Batch #: NF250041

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	0.084	2	< LOQ	Pass
Arsenic	2	0.084	0.2	< LOQ	Pass
Cadmium	2	0.084	0.2	< LOQ	Pass
Chromium	2	0.422	110	< LOQ	Pass

Prepared By: dcab3b
Analysis Date: Nov 03, 2025 11:48:00 EST

Analyzed By: dcab3b
Prep Weight: 0.4734 Grams

Analyte	Dilution	LOQ	Limit	Results	Status
	1:n	µg/g	µg/g	µg/g	
Copper	2	0.422	30	2.293	Pass
Lead	2	0.084	0.5	< LOQ	Pass
Mercury	2	0.084	0.1	< LOQ	Pass
Nickel	2	0.422	5	< LOQ	Pass

Reviewed By: dcab3b
Lab Batch #: NM250078



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Quality Assurance Officer



Munchkins - Flower - Packaged - 28g - Sour Diesel - Sativa

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 15000000	N/A	Prepared By: 38fef6	Reviewed By: 38fef6	Analyzed By: 38fef6
					Analysis Date: Nov 05, 2025 10:22:00 EST	Lab Batch #: NB250101	
Analyte	LOQ	Limit	Results	Status	Testing & Prep Method: Micro: Total Yeast & Mold by Biomerieux Tempo		
Yeast & Mold	CFU/g 100		CFU/g 44000	N/A	Prepared By: 38fef6	Reviewed By: 38fef6	Analyzed By: 38fef6
					Analysis Date: Nov 03, 2025 13:07:00 EST	Lab Batch #: NB250100	
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	Reviewed By: k4gdmc	Analyzed By: k4gdmc
Aspergillus fumigatus	1.00	Absent in any amt	Absent	Pass	Analysis Date: Nov 05, 2025 12:00:00 EST	Lab Batch #: NB250103	
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	Reviewed By: k4gdmc	Analyzed By: k4gdmc
					Analysis Date: Nov 05, 2025 12:00:00 EST	Lab Batch #: NB250100	
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	Reviewed By: k4gdmc	Analyzed By: k4gdmc
					Analysis Date: Nov 05, 2025 12:00:00 EST	Lab Batch #: NB250100	

Moisture Content

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

PASS

Analyte	Limit	Results	Status
Moisture	15 %	12.8 %	Pass
Prepared By: dcab3b Analysis Date: Oct 31, 2025 10:51:00 EDT			
Analyzed By: dcab3b Prep Weight: 0.9803 Grams			
Reviewed By: dcab3b Lab Batch #: NS250091			

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	0.0101		< LOQ	N/A	Aflatoxin G2	1	0.0101		< LOQ	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
Aflatoxins			0.02	< LOQ	Pass						
Prepared By: dcab3b Analysis Date: Nov 04, 2025 17:00:00 EST						Reviewed By: k4gdmc Lab Batch #: NPM250083					
Analyzed By: k4gdmc Prep Weight: 0.9881 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	0.101	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	Metalaxyl	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	0.0654		< LOQ	N/A
Captan	1	0.506	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	0.0466		< LOQ	N/A
Chlorpyrifos	1	0.101	0.2	< LOQ	Pass	Permethrin trans*	1	0.0547		< 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	0.00547		< LOQ	N/A
Dimethoate	1	0.101	0.2	< LOQ	Pass	Pyrethrins Jasmolin I*	1	0.00383		< 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	0.0816		< 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						

* Beyond scope of accreditation

Prepared By: dcab3b
Analysis Date: Nov 04, 2025 17:00:00 EST

Analyzed By: k4gdmc
Prep Weight: 0.9881 Grams

Reviewed By: k4gdmc
Lab Batch #: NPM250083



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Munchkins - Flower - Packaged - 28g - Sour Diesel - Sativa

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	0.0213		0.1212	1.2120
α-Humulene	1	0.0213		0.2707	2.7070
α-Phellandrene	1	0.0213		< LOQ	< LOQ
α-Pinene	1	0.0213		< LOQ	< LOQ
α-Terpinene	1	0.0213		< LOQ	< LOQ
β-Caryophyllene*	1	0.0213		0.6865	6.8650
β-Myrcene	1	0.0213		0.1570	1.5700
β-Pinene*	1	0.0213		0.0418	0.4180
Camphene	1	0.0213		< LOQ	< LOQ
Caryophyllene Oxide*	1	0.0213		< LOQ	< LOQ
cis-β-Ocimene*	1	0.0060		< LOQ	< LOQ
d-Limonene*	1	0.0213		0.2594	2.5940
Δ ³ -Carene	1	0.0213		< LOQ	< LOQ
Eucalyptol*	1	0.0213		< LOQ	< LOQ
Total Terpenes*			11.5	1.6825	16.8250

* Beyond scope of accreditation

Prepared By: dcab3b
Analysis Date: Oct 31, 2025 14:35:00 EDT

Analyzed By: dcab3b
Prep Weight: 0.0939 Grams

Reviewed By: dcab3b
Lab Batch #: NT250099

Water Activity

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

PASS

Analyte	Limit	Results	Status
Water Activity	0.65 Aw	0.50 Aw	Pass

Prepared By: dcab3b
Analysis Date: Nov 04, 2025 09:32:00 EST

Analyzed By: dcab3b
Prep Weight: Grams

Reviewed By: dcab3b
Lab Batch #: NW250061



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Munchkins - Flower - Packaged - 28g - Sour Diesel - Sativa

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, Malathion, Metalaxyl, Methiocarb, Methomyl, Methyl parathion, Mevinphos, Myclobutanil, Naled, Oxamyl, Paclobutrazol, 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, (-)-Guaiaol, (-)-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



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