



CERTIFICATE OF ANALYSIS

Regulatory Compliance Testing
Report Date: Dec 26, 2025

Overall Result



PASS

NanoCann Independent Research

pg 1 of 6

Munchkins - Flower - Packaged - 28g - Trop Cherry - Hybrid

Flower



SAMPLE INFORMATION

Sample ID: CTNY-251208-004
Sample Name: Munchkins - Flower - Packaged - 28g - Trop Cherry - Hybrid
Matrix: Cannabis Flower Product
Product: Flower
Batch No.: M-F-28G-TC-120125
Batch Size: 620 Units
Sample Size: 8 Units
Cultivar(s): Trop Cherry
Date Collected: Dec 09, 2025
Time Collected: 09:19:52
Date Received: Dec 09, 2025
Category: Cannabis_flower_product
Compliance Type: Adult Use
Received By: Logan Emerson Alvarez

MANUFACTURER

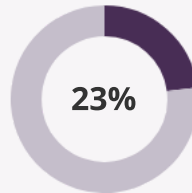
NanoCann Independent Research
License: OCM-PROC-24-000176
Address: 399 Smith St
Farmingdale, NY 11735

CONTACT

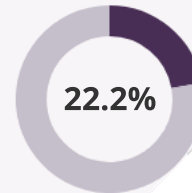
David Sholes
Address: 399 Smith St
Farmingdale, NY 11735

Cannabinoids

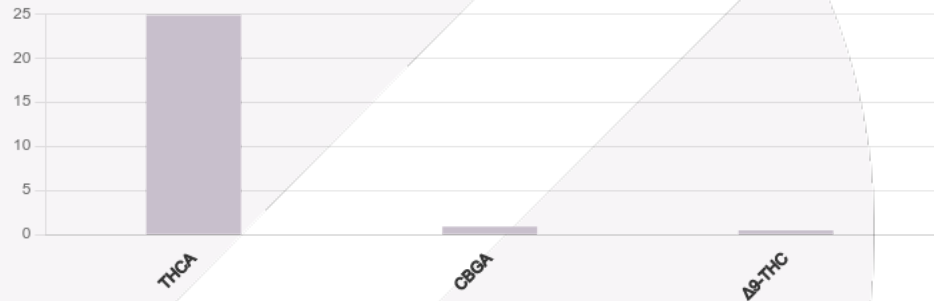
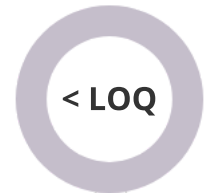
TOTAL CANNABINOIDS



TOTAL THC

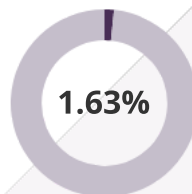


TOTAL CBD



Terpenes

TOTAL TERPENES



TOP 5 TERPENES

Terpene	Percentage	Profile
β-Caryophyllene	0.7%	Spicy
α-Humulene	0.2%	Hops
d-Limonene	0.18%	Citrus
α-Bisabolol	0.14%	Floral
Linalool	0.09%	Floral

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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Larry Clement
Quality Assurance Officer
Dec 26, 2025



Logan Alvarez
Lead Technical Director
Dec 26, 2025

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 - Trop Cherry - Hybrid

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*		0.195	< LOQ	< LOQ		
9S-Δ ¹⁰ -THC*		0.195	< LOQ	< LOQ		
CBC		0.195	< LOQ	< LOQ		
CBD		0.195	< LOQ	< LOQ		
CBDA		0.195	< LOQ	< LOQ		
CBDV		0.195	< LOQ	< LOQ		
CBG		0.195	< LOQ	< LOQ		
Total THC			22.2	222		
Total CBD			< LOQ	< LOQ		

* Beyond scope of accreditation

Prepared By: k4gdmc
Analysis Date: Dec 16, 2025 20:00:00 EST

Analyzed By: k4gdmc
Prep Weight: 0.2087 Grams

Reviewed By: k4gdmc
Lab Batch #: NP250158

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: Dec 19, 2025 10:30:00 EST

Analyzed By: dcab3b
Prep Weight: Grams

Reviewed By: dcab3b
Lab Batch #: NF250051

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	< LOQ	Pass
Cadmium	2	0.080	0.2	< LOQ	Pass
Chromium	2	0.402	110	< LOQ	Pass

Prepared By: dcab3b
Analysis Date: Dec 17, 2025 14:00:00 EST

Analyzed By: dcab3b
Prep Weight: 0.4974 Grams

Reviewed By: k4gdmc
Lab Batch #: NM250088



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Larry Clement
Quality Assurance Officer
Dec 26, 2025



Logan Alvarez
Lead Technical Director
Dec 26, 2025



Munchkins - Flower - Packaged - 28g - Trop Cherry - Hybrid

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: k4gdmc Analysis Date: Dec 16, 2025 19:00:00 EST
					Reviewed By: k4gdmc Lab Batch #: NB250118-0119
					Analyzed By: k4gdmc

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Yeast & Mold	CFU/g 100		CFU/g 210	N/A	Micro: Total Yeast & Mold by Biomerieux Tempo
					Prepared By: k4gdmc Analysis Date: Dec 18, 2025 21:30:00 EST
					Reviewed By: k4gdmc Lab Batch #: NB250118-0119
					Analyzed By: k4gdmc

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Aspergillus flavus	CFU/g 1.00	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: Dec 18, 2025 19:00:00 EST
					Reviewed By: k4gdmc Lab Batch #: NB250117-0118-0119
					Analyzed By: k4gdmc

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Salmonella spp.	CFU/g 1.00	Absent in any amt	CFU/g Absent	Pass	Micro: Salmonella by Biomerieux Gene-Up
					Prepared By: k4gdmc Analysis Date: Dec 18, 2025 19:00:00 EST
					Reviewed By: k4gdmc Lab Batch #: NB250117-0118-0119
					Analyzed By: k4gdmc

Analyte	LOQ	Limit	Results	Status	Testing & Prep Method:
Shiga toxin-producing E. coli	CFU/g 1.00	Absent in any amt	CFU/g Absent	Pass	Micro: Shiga Toxin-producing E. Coli by Biomerieux Gene-Up
					Prepared By: k4gdmc Analysis Date: Dec 18, 2025 19:00:00 EST
					Reviewed By: k4gdmc Lab Batch #: NB250117-0118-0119
					Analyzed By: k4gdmc

Moisture Content

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

PASS

Analyte	Limit	Results	Status
Moisture	15 %	11.8 %	Pass
Prepared By: dcab3b Analysis Date: Dec 12, 2025 14:40:00 EST			
Analyzed By: dcab3b Prep Weight: 0.9566 Grams			
Reviewed By: dcab3b Lab Batch #: NS250105			

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
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	0.0103	< LOQ	< LOQ	N/A	Ochratoxin A	1	0.0103	0.02	< LOQ	Pass
Aflatoxin G1	1	0.0103	< LOQ	< LOQ	N/A	Aflatoxins			0.02	< LOQ	Pass
Prepared By: k4gdmc Analysis Date: Dec 22, 2025 09:00:00 EST						Analyzed By: k4gdmc Prep Weight: 0.9725 Grams					
						Reviewed By: k4gdmc Lab Batch #: NPM250090					



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 Quality Assurance Officer
 Dec 26, 2025



Logan Alvarez
 Lead Technical Director
 Dec 26, 2025



Munchkins - Flower - Packaged - 28g - Trop Cherry - Hybrid

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	0.103	0.5	< LOQ	Pass	Kresoxim-methyl	1	0.103	0.4	< LOQ	Pass
Acephate	1	0.103	0.4	< LOQ	Pass	Malathion	1	0.103	0.2	< LOQ	Pass
Acequinocyl	1	0.103	2	< LOQ	Pass	Metaxyl	1	0.103	0.2	< LOQ	Pass
Acetamiprid	1	0.103	0.2	< LOQ	Pass	Methiocarb	1	0.103	0.2	< LOQ	Pass
Aldicarb	1	0.103	0.4	< LOQ	Pass	Methomyl	1	0.103	0.4	< LOQ	Pass
Azadirachtin	1	0.103	1	< LOQ	Pass	Methyl parathion	1	0.103	0.2	< LOQ	Pass
Azoxystrobin	1	0.103	0.2	< LOQ	Pass	Mevinphos	1	0.103	1	< LOQ	Pass
Bifenazate	1	0.103	0.2	< LOQ	Pass	MGK-264			0.2	< LOQ	Pass
Bifenthrin	1	0.103	0.2	< LOQ	Pass	MGK-264 I*	1	0.0338		< LOQ	N/A
Boscalid	1	0.103	0.4	< LOQ	Pass	MGK-264 II*	1	0.0664		< LOQ	N/A
Captan	1	0.514	1	< LOQ	Pass	Myclobutanil	1	0.103	0.2	< LOQ	Pass
Carbaryl	1	0.103	0.2	< LOQ	Pass	Naled	1	0.103	0.5	< LOQ	Pass
Carbofuran	1	0.103	0.2	< LOQ	Pass	Oxamyl	1	0.103	1	< LOQ	Pass
Chlorantraniliprole	1	0.103	0.2	< LOQ	Pass	Paclobutrazol	1	0.103	0.4	< LOQ	Pass
Chlordane	1	0.411	1	< LOQ	Pass	Pentachloronitrobenzene	1	0.103	1	< LOQ	Pass
Chlorfenapyr	1	0.103	1	< LOQ	Pass	Permethrin			0.2	< LOQ	Pass
Chloromequat chloride	1	0.103	1	< LOQ	Pass	Permethrin cis*	1	0.0473		< LOQ	N/A
Chlorpyrifos	1	0.103	0.2	< LOQ	Pass	Permethrin trans*	1	0.0555		< LOQ	N/A
Clofentezine	1	0.103	0.2	< LOQ	Pass	Phosmet	1	0.103	0.2	< LOQ	Pass
Coumaphos	1	0.103	1	< LOQ	Pass	Piperonylbutoxide	1	0.103	2	< LOQ	Pass
Cyfluthrin	1	0.103	1	< LOQ	Pass	Prallethrin	1	0.103	0.2	< LOQ	Pass
Cypermethrin	1	0.103	1	< LOQ	Pass	Propiconazole	1	0.103	0.4	< LOQ	Pass
Daminozide	1	0.103	1	< LOQ	Pass	Propoxur	1	0.103	0.2	< LOQ	Pass
Diazinon	1	0.103	0.2	< LOQ	Pass	Pyrethrins			1	< LOQ	Pass
Dichlorvos	1	0.103	1	< LOQ	Pass	Pyrethrins Cinerin I*	1	0.00555		< LOQ	N/A
Dimethoate	1	0.103	0.2	< LOQ	Pass	Pyrethrins Jasmolin I*	1	0.00389		< LOQ	N/A
Dimethomorph	1	0.103	1	< LOQ	Pass	Pyrethrins Pyrethrin I*	1	0.0547		< LOQ	N/A
Ethoprophos	1	0.103	0.2	< LOQ	Pass	Pyridaben	1	0.103	0.2	< LOQ	Pass
Etofenprox	1	0.103	0.4	< LOQ	Pass	Spinetoram	1	0.103	1	< LOQ	Pass
Etoxazole	1	0.103	0.2	< LOQ	Pass	Spinosad*			0.2	< LOQ	Pass
Fenhexamid	1	0.103	1	< LOQ	Pass	Spinosad A*	1	0.0829		< LOQ	N/A
Fenoxycarb	1	0.103	0.2	< LOQ	Pass	Spinosad D*	1	0.0179		< LOQ	N/A
Fenpyroximate	1	0.103	0.4	< LOQ	Pass	Spiromesifen	1	0.103	0.2	< LOQ	Pass
Fipronil	1	0.103	0.4	< LOQ	Pass	Spirotetramat	1	0.103	0.2	< LOQ	Pass
Flonicamid	1	0.103	1	< LOQ	Pass	Spiroxamine	1	0.103	0.2	< LOQ	Pass
Fludioxonil	1	0.103	0.4	< LOQ	Pass	Tebuconazole	1	0.103	0.4	< LOQ	Pass
Hexythiazox	1	0.103	1	< LOQ	Pass	Thiacloprid	1	0.103	0.2	< LOQ	Pass
Imazalil	1	0.103	0.2	< LOQ	Pass	Thiamethoxam	1	0.103	0.2	< LOQ	Pass
Imidacloprid	1	0.103	0.4	< LOQ	Pass	Trifloxystrobin	1	0.103	0.2	< LOQ	Pass
Indole-3-butyric acid	1	0.103	1	< LOQ	Pass						

* Beyond scope of accreditation

Prepared By: k4gdmc
Analysis Date: Dec 22, 2025 09:00:00 EST

Analyzed By: k4gdmc
Prep Weight: 0.9725 Grams

Reviewed By: k4gdmc
Lab Batch #: NPM250090



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Dec 26, 2025



Logan Alvarez
Lead Technical Director
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Munchkins - Flower - Packaged - 28g - Trop Cherry - Hybrid

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	0.0198		0.1378	1.3780
α-Humulene	1	0.0198		0.2013	2.0130
α-Phellandrene	1	0.0198		< LOQ	< LOQ
α-Pinene	1	0.0198		0.0321	0.3210
α-Terpinene	1	0.0198		< LOQ	< LOQ
β-Caryophyllene*	1	0.0198		0.7043	7.0430
β-Myrcene	1	0.0198		0.0460	0.4600
β-Pinene*	1	0.0198		0.0450	0.4500
Camphene	1	0.0198		< LOQ	< LOQ
Caryophyllene Oxide*	1	0.0198		0.0201	0.2010
cis-β-Ocimene*	1	0.0055		< LOQ	< LOQ
d-Limonene*	1	0.0198		0.1790	1.7900
Δ ³ -Carene	1	0.0198		< LOQ	< LOQ
Eucalyptol*	1	0.0198		< LOQ	< LOQ
Total Terpenes*			11.5	1.6540	16.5400

Analyte	Dilution	LOQ	Limit	Results	Results
	1:n	%	%	%	mg/g
Fenchol	1	0.0198		0.0245	0.2450
γ-Terpinene*	1	0.0198		< LOQ	< LOQ
Geraniol	1	0.0198		< LOQ	< LOQ
Guaiol*	1	0.0198		0.0523	0.5230
Isopulegol*	1	0.0198		< LOQ	< LOQ
Linalool	1	0.0198		0.0926	0.9260
p-Cymene*	1	0.0198		< LOQ	< LOQ
Terpineol	1	0.0198		0.0270	0.2700
Terpinolene*	1	0.0198		< LOQ	< LOQ
trans-β-Farnesene*	1	0.0198		0.0484	0.4840
trans-β-Ocimene*	1	0.0132		0.0218	0.2180
trans-Nerolidol	1	0.0198		< LOQ	< LOQ
Valencene	1	0.0198		< LOQ	< LOQ
Total Terpenes*			11.5	1.6540	16.5400

* Beyond scope of accreditation

Prepared By: dcab3b
Analysis Date: Dec 17, 2025 16:17:00 EST

Analyzed By: dcab3b
Prep Weight: 0.1012 Grams

Reviewed By: dcab3b
Lab Batch #: NT250111

Water Activity

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

PASS

Analyte	Limit	Results	Status
Water Activity	0.65 Aw	0.37 Aw	Pass

Prepared By: dcab3b
Analysis Date: Dec 15, 2025 09:22:00 EST

Analyzed By: dcab3b
Prep Weight: Grams

Reviewed By: dcab3b
Lab Batch #: NW250068

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Munchkins - Flower - Packaged - 28g - Trop Cherry - Hybrid

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, Pacllobutrazol, 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



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