



NanoCann Independent Research
Address: 399 Smith St
Farmingdale, NY 11735
Contact Name:
Contact Phone:
License #: OCM-PROC-24-000176
Sample ID: 2510SMNY0823.4133



SMITHERS

CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Certificate: 12161.1

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

Lot #: M-F-28G-SOG-102225

Sample ID: 2510SMNY0823.4133

Regulatory Category: Adult Use

Received: 10/24/2025

Sampling Location: 399 Smith St
Farmingdale, NY 11735

Lot Size: 460

Sample Type: Flower

Amount Received: 5

Sample Collected: 10/24/2025 10:29 AM

Published: 10/30/2025



COMPLIANCE FOR RETAIL

Cannabinoid Profile

Pass

Terpenes Total

Pass

Residual Solvents

Not Tested

Pass

Sample Status

Pesticides

Pass

Mycotoxins

Pass

Water Activity

Pass

25.5%

Total THC

Trace Metals

Pass

Microbial Contaminants

Pass

Moisture Analysis

Pass

<LOQ

Total CBD

Filth & Foreign

Pass

26.6 %

Total Cannabinoids

Report Notes: N/A

Kristofer Marsh, Ph.D.

State Director

10/30/2025

Kristofer Marsh

Smithers CTS New York LLC

49 John Hicks Drive
Warwick, NY 10990
(845) 202-9737



Accreditation #: 121747

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Average Cannabinoid Profile

Pass

Sample Analysis

Date: 10/30/2025 12:08 PM

SOP: NY.SOPT.40.260

Analyzed By: HPLC

Sample Weight: N/A

Analyst: Stephanie Knapp

Analyte	LOQ (%)	Average % (w/w)	mg/serving
Total Tetrahydrocannabinol (THC)	-	25.51	255.1
Tetrahydrocannabinolic acid (THCA)	0.0502	26.61	266.1
Δ8-THC	0.0502	<LOQ	<LOQ
Δ9-THC	0.0502	2.178	21.78
Δ10-THC-RS	0.0502	<LOQ	<LOQ
Δ10-THC-RR	0.0502	<LOQ	<LOQ
Total Cannabidiol (CBD)	-	<LOQ	<LOQ
Cannabidiolic acid (CBDA)	0.0502	<LOQ	<LOQ
Cannabidiol (CBD)	0.0502	<LOQ	<LOQ
Total Active Tetrahydrocannabivarin (THCV)	-	0.1344	1.344
Tetrahydrocannabivarinic acid (THCVA)	0.0502	0.1533	1.533
Δ9-THCV	0.0502	<LOQ	<LOQ
Total Active Cannabigerol (CBG)	-	0.9517	9.517
Cannabigerolic acid (CBGA)	0.0502	0.9453	9.453
Cannabigerol (CBG)	0.0502	0.1227	1.227
Cannabidivarin (CBDV)	0.0502	<LOQ	<LOQ
Cannabinol (CBN)	0.0502	<LOQ	<LOQ
Cannabichromene (CBC)	0.0502	<LOQ	<LOQ

Cannabinoid Totals	Average % (w/w)	mg/serving
Total Cannabinoids	26.6	266

Total THC = THCa*0.877 + Δ9-THC

Total CBD = CBDa*0.877 + CBD

Total Cannabinoids = Sum of all analytes

Total Active CBD = CBD + (0.877 x CBDA); Total Active CBG = CBG + (0.878 x CBGA);

Total Active THC = (Δ9THC + Δ8THC + Δ10THC-RS + Δ10THC-RR) + (0.877 x THCA);

Total Active THCV = THCV + (0.867 x THCVA);

Serving Weight: 1g

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Terpene Total

Pass (2.548%)

Sample Analysis

Date: 10/30/2025 01:21 PM

SOP: NY.SOPT.40.090

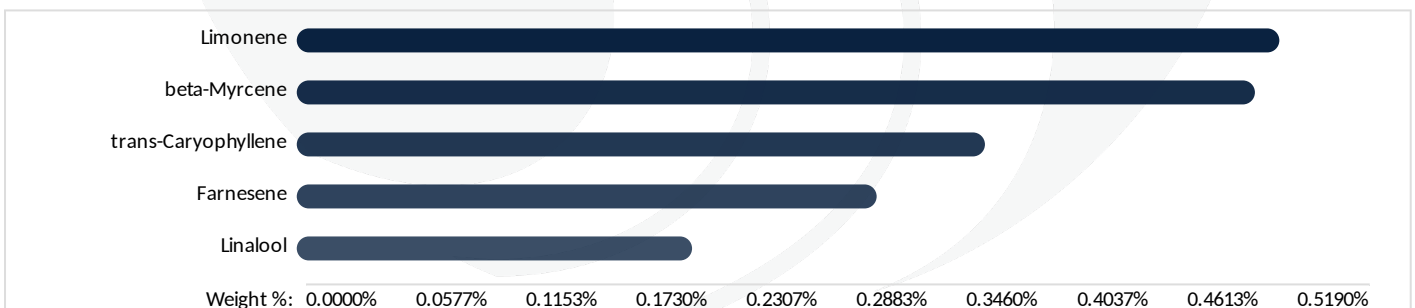
Sample Weight: 0.2182 g

Analyzed By: GC-MS

Analyst: Stephanie Knapp

Analyte	LOQ (%)	Results (%)	Analyte	LOQ (%)	Results (%)
3-Carene	0.0004200	<LOQ	gamma-Terpinene	0.0004400	<LOQ
alpha-Bisabolol	0.0005000	0.05370	gamma-Terpineol	0.0003000	<LOQ
alpha-Humulene	0.0005600	0.1062	Geraniol	0.0004800	<LOQ
alpha-Phellandrene	0.0006600	<LOQ	Geranyl acetate	0.0006200	0.007400
alpha-Pinene	0.0004800	0.04880	Guaol	0.0006000	<LOQ
alpha-Terpinene	0.0002600	<LOQ	Isoborneol	0.0003400	0.03530
alpha-Terpineol	0.0003400	0.08310	Isopulegol	0.0006600	<LOQ
beta-Myrcene	0.0006400	0.5061	Limonene	0.0007400	0.5190
beta-Pinene	0.0006600	0.07500	Linalool	0.0004600	0.2088
Borneol	0.0004600	0.02520	Menthol	0.0004600	<LOQ
Camphene	0.0004400	0.01350	Nerol	0.0005000	<LOQ
Camphor	0.0004000	<LOQ	Pulegone (+)	0.0005600	<LOQ
Caryophyllene oxide	0.0005800	<LOQ	Sabinene	0.0003400	0.07500
Cedrene	0.0004400	<LOQ	Sabinene Hydrate	0.0004200	<LOQ
Cedrol	0.0005600	<LOQ	Terpinolene	0.0005000	<LOQ
cis-Nerolidol	0.0006800	0.01450	trans-b-Ocimene	0.0004200	<LOQ
cis-Ocimene	0.0005200	<LOQ	trans-Caryophyllene	0.0006600	0.3635
Eucalyptol	0.0007200	<LOQ	trans-Nerolidol	0.0007200	<LOQ
Farnesene	0.0008400	0.3063	Valencene	0.0005600	0.02070
Fenchone	0.0005000	0.01250			

Terpene Totals	%	Pass/Fail
Total Terpenes	2.548	PASS



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Trace Metals

Pass

Sample Analysis

Date: 10/29/2025 04:11 PM

SOP: NY.SOPT.40.050

Analyzed By: ICP-MS

Sample Weight: 0.128 g

Analyst: Moni Kaneti

Analyte	LOQ (µg/g)	Action Limit (µg/g)	Results (µg/g)	Pass/Fail
Antimony (Sb)	0.00200	2.00	0.0200	PASS
Arsenic (As)	0.00200	0.200	0.00600	PASS
Cadmium (Cd)	0.00200	0.200	<LOQ	PASS
Chromium (Cr)	0.00200	110	0.0550	PASS
Copper (Cu)	0.00200	30.0	7.26	PASS
Lead (Pb)	0.00200	0.500	0.0190	PASS
Mercury (Hg)	0.00200	0.100	0.00500	PASS
Nickel (Ni)	0.00200	5.00	0.139	PASS

Mycotoxin Analysis

Pass

Sample Analysis

Date: 10/30/2025 04:42 PM

SOP: NY.SOPT.40.180

Analyzed By: LC-MS/MS

Sample Weight: 0.0978 g

Analyst: Destiny Ribadeneyra

Analyte	LOQ (µg/g)	Action Limit (µg/g)	Results (µg/g)	Pass/Fail
Sum of Aflatoxins	-	0.020	<LOQ	PASS
Aflatoxin B1	0.0010	0.020	<LOQ	PASS
Aflatoxin B2	0.0020	0.020	<LOQ	PASS
Aflatoxin G1	0.0010	0.020	<LOQ	PASS
Aflatoxin G2	0.0020	0.020	<LOQ	PASS
Ochratoxin A	0.0020	0.020	<LOQ	PASS

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Pesticides LC

Pass

Sample Analysis

Date: 10/29/2025 04:29 PM

SOP: NY.SOPT.040.270

Analyzed By: LC-MS/MS

Sample Weight: 1.0174 g

Analyst: Destiny Ribadeneyra

Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail	Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail
Abamectin	0.0180	0.500	<LOQ	PASS	Imidacloprid	0.00800	0.400	<LOQ	PASS
Acephate	0.00700	0.400	<LOQ	PASS	Indole-3-butyric acid	0.00700	1.00	<LOQ	PASS
Acequinocyl	0.0160	2.00	<LOQ	PASS	Kresoxim methyl	0.0120	0.400	<LOQ	PASS
Acetamiprid	0.00500	0.200	<LOQ	PASS	Malathion	0.0110	0.200	<LOQ	PASS
Aldicarb	0.00500	0.400	<LOQ	PASS	Metalaxyl	0.0120	0.200	<LOQ	PASS
Azadirachtin	0.0220	1.00	<LOQ	PASS	Methiocarb	0.00400	0.200	<LOQ	PASS
Azoxystrobin	0.00600	0.200	<LOQ	PASS	Methomyl	0.0120	0.400	<LOQ	PASS
Bifenazate	0.00600	0.200	<LOQ	PASS	Mevinphos	0.0190	1.00	<LOQ	PASS
Bifenthrin	0.00300	0.200	<LOQ	PASS	MGK-264	0.0110	0.200	<LOQ	PASS
Boscalid	0.0110	0.400	<LOQ	PASS	Myclobutanil	0.0130	0.200	<LOQ	PASS
Carbaryl	0.00600	0.200	<LOQ	PASS	Naled	0.00500	0.500	<LOQ	PASS
Carbofuran	0.00500	0.200	<LOQ	PASS	Oxamyl	0.00800	1.00	<LOQ	PASS
Chlorantraniliprole	0.00600	0.200	<LOQ	PASS	Paclobutrazol	0.0150	0.400	<LOQ	PASS
Chlormequat chloride	0.0190	1.00	<LOQ	PASS	Permethrins, Total	0.00900	0.200	<LOQ	PASS
Chlorpyrifos	0.00900	0.200	<LOQ	PASS	Phosmet	0.00700	0.200	<LOQ	PASS
Clofentezine	0.0100	0.200	<LOQ	PASS	Piperonyl Butoxide	0.00600	2.00	<LOQ	PASS
Daminozide	0.00400	1.00	<LOQ	PASS	Prallethrin	0.00800	0.200	<LOQ	PASS
Diazinon	0.00700	0.200	<LOQ	PASS	Propiconazole	0.00600	0.400	<LOQ	PASS
Dichlorvos	0.0120	1.00	<LOQ	PASS	Propoxur	0.00800	0.200	<LOQ	PASS
Dimethoate	0.00600	0.200	<LOQ	PASS	Pyrethrins	0.0140	1.00	<LOQ	PASS
Dimethomorph	0.00500	1.00	<LOQ	PASS	Pyridaben	0.00600	0.200	<LOQ	PASS
Ethoprophos	0.0130	0.200	<LOQ	PASS	Spinetoram, Total	0.00500	1.00	<LOQ	PASS
Etofenprox	0.00300	0.400	<LOQ	PASS	Spinosad, Total	0.00600	0.200	<LOQ	PASS
Etoazole	0.00500	0.200	<LOQ	PASS	Spiromesifen	0.0130	0.200	<LOQ	PASS
Fenhexamid	0.0150	1.00	<LOQ	PASS	Spirotetramat	0.00600	0.200	<LOQ	PASS
Fenoxycarb	0.0110	0.200	<LOQ	PASS	Spiroxamine	0.00400	0.200	<LOQ	PASS
Fenpyroximate	0.00200	0.400	<LOQ	PASS	Tebuconazole	0.0120	0.400	<LOQ	PASS
Flonicamid	0.00700	1.00	<LOQ	PASS	Thiacloprid	0.00800	0.200	<LOQ	PASS
Fludioxonil	0.0170	0.400	<LOQ	PASS	Thiamethoxam	0.00800	0.200	<LOQ	PASS
Hexythiazox	0.00500	1.00	<LOQ	PASS					

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Pesticides GC

Pass

Sample Analysis

Date: 10/30/2025 05:36 PM

SOP: NYS.SOPT.040.271

Analyzed By: GC-MS/MS

Sample Weight: N/A

Analyst: Destiny Ribadeneyra

Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail
Captan	0.300	1.00	<LOQ	PASS
Chlordane	0.0700	1.00	<LOQ	PASS
Chlorfenapyr	0.100	1.00	<LOQ	PASS
Coumaphos	0.190	1.00	<LOQ	PASS
Cyfluthrin	0.110	1.00	<LOQ	PASS
Cypermethrin	0.240	1.00	<LOQ	PASS
Fipronil	0.170	0.400	<LOQ	PASS
Imazalil	0.170	0.200	<LOQ	PASS
Methyl parathion	0.0900	0.200	<LOQ	PASS
Pentachloronitrobenzene	0.170	1.00	<LOQ	PASS
Trifloxystrobin	0.110	0.200	<LOQ	PASS

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Microbial Impurities - MDG

Pass

Sample Analysis

Date: 10/29/2025 01:08 PM

SOP: NYS.SOPT.40.273

Analyzed By: PCR

Analyst: Kristy Lee

Analyte	Microbial Type	LOQ (CFU/g)	Allowable Limit	Results	Pass/Fail
Shiga toxin-producing Escherichia coli	Bacterial	1	Not Detected	Not Detected	PASS
Salmonella species	Bacterial	1	Not Detected	Not Detected	PASS
Aspergillus flavus	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus niger	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus terreus	Fungal	1	Not Detected	Not Detected	PASS
Aspergillus fumigatus	Fungal	1	Not Detected	Not Detected	PASS

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Microbial Impurities - TAPC

Pass

Sample Analysis

Date: 10/29/2025 03:11 PM

SOP: NYS.SOPT.040.200

Analyzed By: Plating

Analyst: Lindsey Vento

Analyte	LOQ (CFU/g)	Action Limit (CFU/g)	Results (CFU/g)	Pass/Fail
Total Aerobic Bacteria/CDP-TC	100	N/A	50000	PASS

Microbial Impurities - TYMC

Pass

Sample Analysis

Date: 10/30/2025 03:40 PM

SOP: NYS.SOPT.040.200

Analyzed By: Plating

Analyst: Lindsey Vento

Analyte	LOQ (CFU/g)	Action Limit (CFU/g)	Results (CFU/g)	Pass/Fail
Total Yeast and Mold	100	N/A	2000	PASS

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Foreign Matter

Pass

Sample Analysis

Date: 10/27/2025 07:04 PM

SOP: NYS.SOPT.040.250

Analyzed By: Microscopy

Analyst: Destiny Ribadeneyra

Analyte	LOQ	Action Limit	Results	Pass/Fail
Mammalian excreta (mg/lb)	0	1.0	0	PASS
Stems >3mm in diameter (%)	0	5.0	0	PASS
Other Foreign Material (%)	0	2.0	0	PASS

Moisture Content

Pass

Sample Analysis

Date: 10/27/2025 07:03 PM

SOP: NY.SOPT.040.220

Analyzed By: Moisture Balance

Analyst: Dylan Kane

Analyte	LOQ (%)	Action Limit (%)	Results (%)	Pass/Fail
Moisture Content	0.0	<15.0%	9.5	PASS

Water Activity

Pass

Sample Analysis

Date: 10/27/2025 07:05 PM

SOP: NY.SOPT.040.210

Analyzed By: Water Activity Meter

Analyst: Dylan Kane

Analyte	LOQ (Aw)	Action Limit (Aw)	Results (Aw)	Pass/Fail
Water Activity	0.25	0.65	0.51	PASS

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