



Hudson Valley Hemp Company, LLC
Address: 67 Pine Wood Rd., Hudson, NY 12534
Contact Name:
Contact Phone:
License #: OCM-PROC-24-000208
Sample ID: 2509SMNY0676.3386



SMITHERS

CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Certificate: 11347.1

BOOST 5 DROP TINS

Lot #: BST5NY25230-T

Sample ID: 2509SMNY0676.3386

Regulatory Category: Adult Use

Received: 09/11/2025

Sampling Location: 67 Pine Wood Rd.,
Hudson, NY 12534

Lot Size: 6000

Sample Type: Edible

Amount Received: 4

Sample Collected: 09/11/2025 10:06 AM

Published: 09/18/2025



COMPLIANCE FOR RETAIL

Cannabinoid Profile

Pass

Terpenes Total

Tested

Residual Solvents

Pass

Pass

Sample Status

Pesticides

Pass

Mycotoxins

Pass

Water Activity

Pass

0.643%

Total THC

Trace Metals

Pass

Microbial Contaminants

Pass

Moisture Analysis

Not Tested

0.00260%

Total CBD

Filth & Foreign

Not Tested

0.703 %

Total Cannabinoids

Report Notes: N/A

Kristofer Marsh, Ph.D.

State Director

09/18/2025

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: 09/18/2025 11:46 AM

SOP: NY.SOPT.40.260

Analyzed By: HPLC

Sample Weight: N/A

Analyst: Destiny Ribadeneyra

Analyte	LOQ (%)	Average % (w/w)	mg/serving	Homogeneity†
Total Tetrahydrocannabinol (THC)	-	0.6431	4.759	PASS
Tetrahydrocannabinolic acid (THCA)	0.002455	<LOQ	<LOQ	-
Δ8-THC	0.002455	<LOQ	<LOQ	-
Δ9-THC	0.002455	0.6431	4.759	-
Δ10-THC-RS	0.002455	<LOQ	<LOQ	-
Δ10-THC-RR	0.002455	<LOQ	<LOQ	-
Total Cannabidiol (CBD)	-	0.002601	0.01924	PASS
Cannabidiolic acid (CBDA)	0.002455	<LOQ	<LOQ	-
Cannabidiol (CBD)	0.002455	0.002601	0.01924	-
Total Active Tetrahydrocannabivarin (THCV)	-	0.005927	0.04386	-
Tetrahydrocannabivarinic acid (THCVA)	0.002455	<LOQ	<LOQ	-
Δ9-THCV	0.002455	0.005927	0.04386	-
Total Active Cannabigerol (CBG)	-	0.02257	0.167	-
Cannabigerolic acid (CBGA)	0.002455	<LOQ	<LOQ	-
Cannabigerol (CBG)	0.002455	0.02257	0.167	-
Cannabidivarin (CBDV)	0.002455	<LOQ	<LOQ	-
Cannabinol (CBN)	0.002455	0.01562	0.1156	-
Cannabichromene (CBC)	0.002455	0.01278	0.09456	-
Cannabinoid Totals	Average % (w/w)	mg/serving	Homogeneity†	
Total Cannabinoids	0.7026	5.199	-	

† Concentration of individual samples must be ±25% of the mean concentration

Total THC = $THCa \times 0.877 + \Delta 9\text{-THC}$

Total CBD = $CBDa \times 0.877 + CBD$

Total Cannabinoids = Sum of all analytes

Total Active CBD = $CBD + (0.877 \times CBDA)$; Total Active CBG = $CBG + (0.878 \times CBGA)$;

Total Active THC = $(\Delta 9\text{THC} + \Delta 8\text{THC} + \Delta 10\text{THC-RS} + \Delta 10\text{THC-RR}) + (0.877 \times THCA)$;

Total Active THCV = $THCV + (0.867 \times THCVA)$;

Serving Weight: 0.74 g

Kristofer Marsh, Ph.D.

09/18/2025

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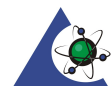
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Terpene Total

Tested (0.0000%)

Sample Analysis

Date: 09/17/2025 01:01 PM

SOP: NY.SOPT.40.090

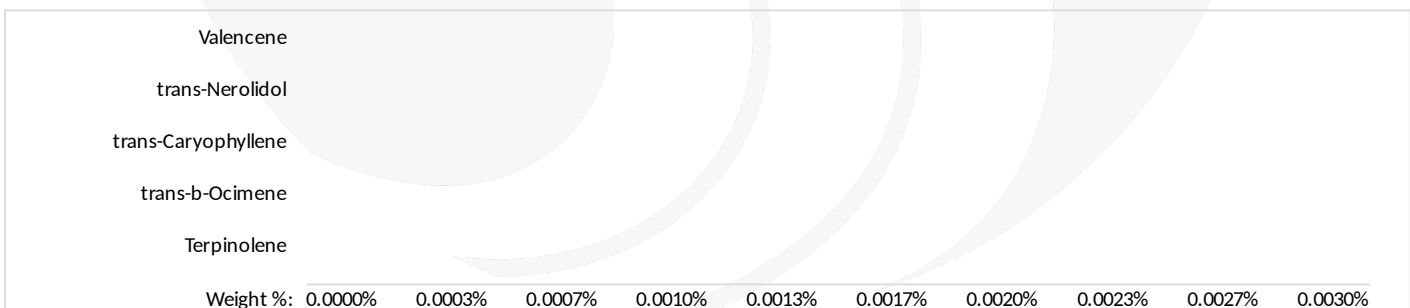
Sample Weight: 0.1976 g

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	<LOQ	gamma-Terpineol	0.0003000	<LOQ
alpha-Humulene	0.0005600	<LOQ	Geraniol	0.0004800	<LOQ
alpha-Phellandrene	0.0006600	<LOQ	Geranyl acetate	0.0006200	<LOQ
alpha-Pinene	0.0004800	<LOQ	Guaiaol	0.0006000	<LOQ
alpha-Terpinene	0.0002600	<LOQ	Isoborneol	0.0003400	<LOQ
alpha-Terpineol	0.0003400	<LOQ	Isopulegol	0.0006600	<LOQ
beta-Myrcene	0.0006400	<LOQ	Limonene	0.0007400	<LOQ
beta-Pinene	0.0006600	<LOQ	Linalool	0.0004600	<LOQ
Borneol	0.0004600	<LOQ	Menthol	0.0004600	<LOQ
Camphene	0.0004400	<LOQ	Nerol	0.0005000	<LOQ
Camphor	0.0004000	<LOQ	Pulegone (+)	0.0005600	<LOQ
Caryophyllene oxide	0.0005800	<LOQ	Sabinene	0.0003400	<LOQ
Cedrene	0.0004400	<LOQ	Sabinene Hydrate	0.0004200	<LOQ
Cedrol	0.0005600	<LOQ	Terpinolene	0.0005000	<LOQ
cis-Nerolidol	0.0006800	<LOQ	trans-b-Ocimene	0.0004200	<LOQ
cis-Ocimene	0.0005200	<LOQ	trans-Caryophyllene	0.0006600	<LOQ
Eucalyptol	0.0007200	<LOQ	trans-Nerolidol	0.0007200	<LOQ
Farnesene	0.0008400	<LOQ	Valencene	0.0005600	<LOQ
Fenchone	0.0005000	<LOQ			

Terpene Totals	%	Pass/Fail
Total Terpenes	0	N/A



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Trace Metals

Pass

Sample Analysis

Date: 09/16/2025 03:30 PM

SOP: NY.SOPT.40.050

Analyzed By: ICP-MS

Sample Weight: 0.1201 g

Analyst: Moni Kaneti

Analyte	LOQ (µg/g)	Action Limit (µg/g)	Results (µg/g)	Pass/Fail
Antimony (Sb)	0.00200	120	<LOQ	PASS
Arsenic (As)	0.00200	1.50	0.0120	PASS
Cadmium (Cd)	0.00200	0.500	0.0190	PASS
Chromium (Cr)	0.00200	1100	0.112	PASS
Copper (Cu)	0.00200	300	0.214	PASS
Lead (Pb)	0.00200	0.500	0.0380	PASS
Mercury (Hg)	0.00200	3.00	<LOQ	PASS
Nickel (Ni)	0.00200	20.0	0.104	PASS

Mycotoxin Analysis

Pass

Sample Analysis

Date: 09/16/2025 12:05 PM

SOP: NY.SOPT.40.180

Analyzed By: LC-MS/MS

Sample Weight: N/A

Analyst: Destiny Ribadeneyra

Analyte	LOQ (µg/g)	Action Limit (µg/g)	Results (µg/g)	Pass/Fail
Sum of Aflatoxins	-	0.020		
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: 09/16/2025 11:46 AM

SOP: NY.SOPT.040.270

Analyzed By: LC-MS/MS

Sample Weight: 1.0343 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
Chloromequat 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: 09/16/2025 01:29 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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Residual Solvents

Pass

Sample Analysis

Date: 09/16/2025 01:35 PM

SOP: NYS.SOPT.040.272

Analyzed By: GC-MS

Sample Weight: 0.1012 g

Analyst: Destiny Ribadeneyra

Analyte	LOQ (ppm)	Action Limit (ppm)	Results (ppm)	Pass/Fail
1,2-Dichloroethane (Ethylene dichloride, Ethylene chloride)	0.100	5.00	<LOQ	PASS
2-Propanol (Isopropanol, Isopropyl alcohol)	125	5000	<LOQ	PASS
Acetone (2-Propanone)	125	5000	<LOQ	PASS
Acetonitrile	23.6	410	<LOQ	PASS
Benzene	0.100	2.00	<LOQ	PASS
Butanes, Total	62.5	5000	<LOQ	PASS
Chloroform	1.50	60.0	<LOQ	PASS
Dichloromethane (Methylene chloride)	15.0	600	<LOQ	PASS
Dimethyl sulfoxide (DMSO)	125	5000	<LOQ	PASS
Ethanol (Ethyl alcohol)	125	5000	<LOQ	PASS
Ethyl acetate (Acetic acid ethyl ester)	125	5000	<LOQ	PASS
Ethyl ether (Diethyl ether, 1,1'-Oxybisethane)	125	5000	<LOQ	PASS
Heptane (n-Heptane)	125	5000	<LOQ	PASS
Hexanes, Total	14.5	290	<LOQ	PASS
Methanol (Methyl alcohol)	75.1	3000	<LOQ	PASS
Pentanes, Total	195	5000	<LOQ	PASS
Propane	63.0	5000	<LOQ	PASS
Toluene (Methylbenzene)	22.3	890	<LOQ	PASS
Trichloroethane (1,1,1-)	37.6	1500	<LOQ	PASS
Tetrafluoroethane (1,1,1,2-) (HFC134a)*	10.0	1000	<LOQ	PASS
Xylenes, Total (ortho-, meta-, para-)	109	2170	<LOQ	PASS

Kristofer Marsh, Ph.D.

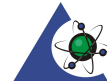
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Microbial Impurities - MDG

Pass

Sample Analysis

Date: 09/16/2025 05:42 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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Certificate: 11347.1

Microbial Impurities - TAPC

Pass

Sample Analysis

Date: 09/16/2025 05:32 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	5	10000	<LOQ	PASS

Microbial Impurities - TYMC

Pass

Sample Analysis

Date: 09/16/2025 09:40 AM SOP: NYS.SOPT.040.200

Analyzed By: Plating

Analyst: Destiny Ribadeneyra

Analyte	LOQ (CFU/g)	Action Limit (CFU/g)	Results (CFU/g)	Pass/Fail
Total Yeast and Mold	5	1000	<LOQ	PASS

Kristofer Marsh, Ph.D.

State Director

09/18/2025

Smithers CTS New York LLC
49 John Hicks Drive
Warwick, NY 10990
(845) 202-9737



Accreditation #: 121747

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Hudson Valley Hemp Company, LLC
Address: 67 Pine Wood Rd., Hudson, NY 12534
Contact Name:
Contact Phone:
License #: OCM-PROC-24-000208
Sample ID: 2509SMNY0676.3386



CERTIFICATE OF ANALYSIS
Permit #: OCM-CPL-00004

Certificate: 11347.1

Water Activity

Pass

Sample Analysis

Date: 09/12/2025 02:50 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	0.85	0.33	PASS



Kristofer Marsh, Ph.D.

State Director

09/18/2025

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