



Hudson Valley Hemp Company, LLC
 Address: 67 Pine Wood Rd., Hudson, NY 12534
 Contact Name:
 Contact Phone:
 License #: OCM-PROC-24-000208
 Sample ID: 2509SMNY0652.3264



CERTIFICATE OF ANALYSIS
 Permit #: OCM-CPL-00004

Certificate: 11225.1

Blue Diesel Infused 7 Pack

Lot #: HC-P-10425
 Sample ID: 2509SMNY0652.3264
 Regulatory Category: Adult Use
 Received: 09/04/2025
 Sampling Location: 67 Pine Wood Rd.,
 Hudson, NY 12534

Lot Size: 2834
 Sample Type: Flower
 Amount Received: 4
 Sample Collected: 09/04/2025 01:27 PM
 Published: 09/11/2025



COMPLIANCE FOR RETAIL

Cannabinoid Profile Pass	Terpenes Total Pass	Residual Solvents Pass	Pass Sample Status
Pesticides Pass	Mycotoxins Pass	Water Activity Pass	
Trace Metals Pass	Microbial Contaminants Pass	Moisture Analysis Pass	<LOQ Total CBD
	Filth & Foreign Not Tested		27.9 % Total Cannabinoids

Report Notes: N/A

Kristofer Marsh, Ph.D.
 State Director

09/11/2025

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



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SMITHERS

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Average Cannabinoid Profile

Pass

Sample Analysis

Date: 09/11/2025 10:34 PM

SOP: NY.SOPT.40.260

Analyzed By: HPLC

Sample Weight: N/A

Analyst: Stephanie Knapp

Analyte	LOQ (%)	Average % (w/w)	mg/serving	Homogeneity [†]
Total Tetrahydrocannabinol (THC)	-	26.5	132	
Tetrahydrocannabinolic acid (THCA)	0.0500	28.2	141	
Δ8-THC	0.0500	<LOQ	<LOQ	
Δ9-THC	0.0500	1.72	8.59	
Δ10-THC-RS	0.0500	<LOQ	<LOQ	
Δ10-THC-RR	0.0500	<LOQ	<LOQ	
Total Cannabidiol (CBD)	-	<LOQ	<LOQ	
Cannabinadiolic acid (CBDA)	0.0500	<LOQ	<LOQ	
Cannabidiol (CBD)	0.0500	<LOQ	<LOQ	
Total Active Tetrahydrocannabivarin (THCV)	-	0.190	0.948	
Tetrahydrocannabivarinic acid (THCVA)	0.0500	0.219	1.09	
Tetrahydrocannabivarin (THCV)	0.0500	<LOQ	<LOQ	
Total Active Cannabigerol (CBG)	-	1.21	6.06	
Cannabigerolic acid (CBGA)	0.0500	1.28	6.41	
Cannabigerol (CBG)	0.0500	0.0873	0.437	
Cannabidivarin (CBDV)	0.0500	<LOQ	<LOQ	
Cannabinol (CBN)	0.0500	<LOQ	<LOQ	
Cannabichromene (CBC)	0.0500	<LOQ	<LOQ	

Cannabinoid Totals	Actual % (w/w)	mg/serving	Homogeneity [†]
Total Cannabinoids	27.9	139	

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

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: 0.5 g

Kristofer Marsh, Ph.D.

09/11/2025

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PJLA Testing
 Accreditation #: 121747

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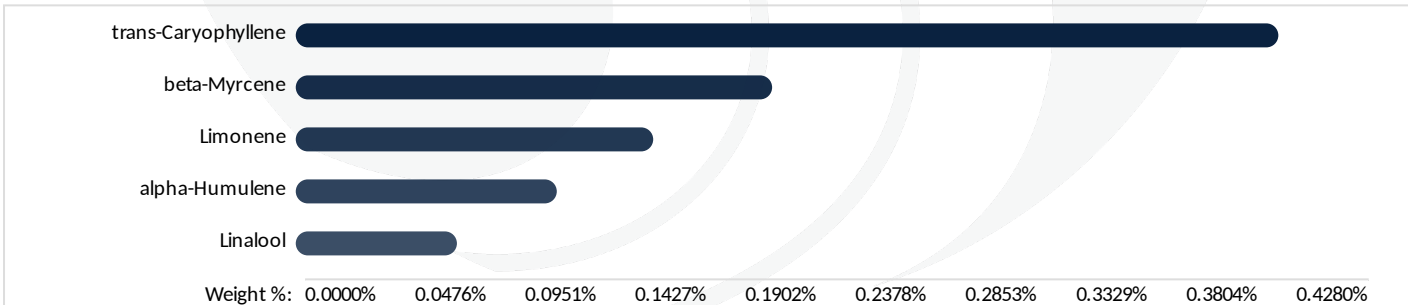
Terpene Total
Pass (1.457%)

Sample Analysis

Date: 09/10/2025 04:21 PM **SOP:** NY.SOPT.40.090
Sample Weight: 0.4976 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	0.06080	gamma-Terpineol	0.0003000	<LOQ
alpha-Humulene	0.0005600	0.1137	Geraniol	0.0004800	<LOQ
alpha-Phellandrene	0.0006600	<LOQ	Geranyl acetate	0.0006200	<LOQ
alpha-Pinene	0.0004800	0.04220	Guaial	0.0006000	0.02680
alpha-Terpinene	0.0002600	<LOQ	Isoborneol	0.0003400	0.01610
alpha-Terpineol	0.0003400	0.03940	Isopulegol	0.0006600	<LOQ
beta-Myrcene	0.0006400	0.2075	Limonene	0.0007400	0.1557
beta-Pinene	0.0006600	0.03330	Linalool	0.0004600	0.07020
Borneol	0.0004600	0.01220	Menthol	0.0004600	<LOQ
Camphene	0.0004400	0.005600	Nerol	0.0005000	0.005800
Camphor	0.0004000	<LOQ	Pulegone (+)	0.0005600	<LOQ
Caryophyllene oxide	0.0005800	0.03700	Sabinene	0.0003400	0.03330
Cedrene	0.0004400	<LOQ	Sabinene Hydrate	0.0004200	<LOQ
Cedrol	0.0005600	<LOQ	Terpinolene	0.0005000	<LOQ
cis-Nerolidol	0.0006800	0.03280	trans-b-Ocimene	0.0004200	0.01100
cis-Ocimene	0.0005200	<LOQ	trans-Caryophyllene	0.0006600	0.4280
Eucalyptol	0.0007200	<LOQ	trans-Nerolidol	0.0007200	0.03000
Farnesene	0.0008400	0.03080	Valencene	0.0005600	0.02510
Fenchone	0.0005000	0.003900			

Terpene Totals	%	Pass/Fail
Total Terpenes	1.457	PASS



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Trace Metals

Pass

Sample Analysis

Date: 09/10/2025 10:36 AM

SOP: NY.SOPT.40.050

Analyzed By: ICP-MS

Sample Weight: 0.1192 g

Analyst: Moni Kaneti

Analyte	LOQ (µg/g)	Action Limit (µg/g)	Results (µg/g)	Pass/Fail
Antimony (Sb)	0.00200	2.00	<LOQ	PASS
Arsenic (As)	0.00200	0.200	0.0430	PASS
Cadmium (Cd)	0.00200	0.200	0.0170	PASS
Chromium (Cr)	0.00200	110	0.0510	PASS
Copper (Cu)	0.00200	30.0	10.3	PASS
Lead (Pb)	0.00200	0.500	0.0830	PASS
Mercury (Hg)	0.00200	0.100	0.00500	PASS
Nickel (Ni)	0.00200	5.00	0.298	PASS

Mycotoxin Analysis

Pass

Sample Analysis

Date: 09/11/2025 10:13 AM

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: 09/11/2025 09:29 AM

SOP: NYSOPT.040.270

Analyzed By: LC-MS/MS

Sample Weight: 0.986 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					

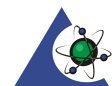
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Pesticides GC

Pass

Sample Analysis

Date: 09/10/2025 10:28 AM

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: 09/08/2025 09:48 AM

SOP: NYS.SOPT.040.272

Analyzed By: GC-MS

Sample Weight: 0.1052 g

Analyst: Stephanie Knapp

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

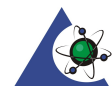
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Microbial Impurities - MDG

Pass

Sample Analysis

Date: 09/11/2025 04:40 PM **SOP:** NYS.SOPT.40.273
Analyzed By: PCR
Analyst: Lindsey Vento

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: 09/09/2025 06:09 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	N/A	140000	PASS

Microbial Impurities - TYMC

Pass

Sample Analysis

Date: 09/11/2025 04:47 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	5	N/A	7000	PASS

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



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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: 2509SMNY0652.3264



CERTIFICATE OF ANALYSIS
 Permit #: OCM-CPL-00004

Certificate: 11225.1

Moisture Content

Pass

Sample Analysis

Date: 09/08/2025 03:47 PM **SOP:** NY.SOPT.040.220
Analyzed By: Moisture Balance
Analyst: Dylan Kane

Analyte	LOQ (%)	Action Limit (%)	Results (%)	Pass/Fail
Moisture Content	0	<15.0%	8.1	PASS

Water Activity

Pass

Sample Analysis

Date: 09/09/2025 09:53 AM **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	0.44	PASS

Kristofer Marsh, Ph.D.
 State Director

09/11/2025

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