



Hudson Valley Hemp Company, LLC  
 Address: 18-39 41st Str  
 Astoria Queens, NY 11105  
 Contact Name:  
 Contact Phone:  
 License #: OCM-PROC-24-000208  
 Sample ID: 2507SMNY0517.2538



**CERTIFICATE OF ANALYSIS**  
 Permit #: OCM-CPL-00004

Certificate: 10495.1

## Orange Crush 0.5g Vape Pod (Bulk)

Lot #: 25072110DSH      Lot Size: 500  
 Sample ID: 2507SMNY0517.2538      Sample Type: Concentrate  
 Regulatory Category: Adult Use      Amount Received: 2  
 Received: 07/23/2025      Sample Collected: 07/23/2025 11:07 AM  
 Sampling Location: 18-39 41st Str Astoria      Published: 07/30/2025  
 Queens, NY 11105



## COMPLIANCE FOR RETAIL

Cannabinoid Profile <b>Pass</b>	Terpenes Total <b>Pass</b>	Residual Solvents <b>Pass</b>	<b>Pass</b> Sample Status	
Pesticides <b>Pass</b>	Mycotoxins <b>Pass</b>	Water Activity <b>Not Tested</b>		<b>90.2%</b> Total THC
Trace Metals <b>Pass</b>	Microbial Contaminants <b>Pass</b>	Moisture Analysis <b>Not Tested</b>		<b>0.349%</b> Total CBD
	Filth & Foreign <b>Not Tested</b>		<b>96.0 %</b> Total Cannabinoids	

Report Notes: N/A

Kristofer Marsh, Ph.D.  
 State Director

07/30/2025

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



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## Average Cannabinoid Profile

Pass

### Sample Analysis

Date: 07/29/2025 12:47 PM

SOP: NY.SOPT.40.260

Analyzed By: HPLC

Sample Weight: N/A

Analyst: Destiny Ribadeneyra

Analyte	LOQ (%)	Average % (w/w)	mg/serving	Homogeneity <sup>†</sup>
Total Tetrahydrocannabinol (THC)	-	90.2	3.25	
Tetrahydrocannabinolic acid (THCA)	0.0500	<LOQ	<LOQ	
Δ8-THC	0.0500	<LOQ	<LOQ	
Δ9-THC	0.0500	90.2	3.25	
Δ10-THC-RS	0.0500	<LOQ	<LOQ	
Δ10-THC-RR	0.0500	<LOQ	<LOQ	
Total Cannabidiol (CBD)	-	0.349	0.0126	
Cannabinadiolic acid (CBDA)	0.0500	0.191	0.00688	
Cannabidiol (CBD)	0.0500	0.182	0.00654	
Total Active Tetrahydrocannabivarin (THCV)	-	0.724	0.0261	
Tetrahydrocannabivarinic acid (THCVA)*	0.0500	0.203	0.00730	
Tetrahydrocannabivarin (THCV)	0.0500	0.549	0.0198	
Total Active Cannabigerol (CBG)	-	2.49	0.0895	
Cannabigerolic acid (CBGA)	0.0500	<LOQ	<LOQ	
Cannabigerol (CBG)	0.0500	2.49	0.0895	
Cannabidivarin (CBDV)	0.0500	<LOQ	<LOQ	
Cannabinol (CBN)	0.0500	0.756	0.0272	
Cannabichromene (CBC)	0.0500	1.45	0.0522	

Cannabinoid Totals	Actual % (w/w)	mg/serving	Homogeneity <sup>†</sup>
Total Cannabinoids	96.0	3.46	

\* Analyte is not included in ISO 17025 scope of accreditation

† 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: 0.0036 g

Kristofer Marsh, Ph.D.

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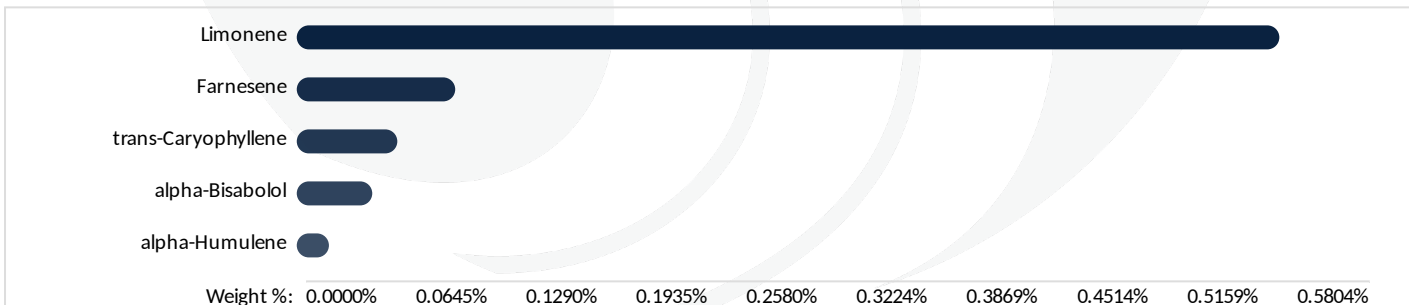
**Terpene Total**  
**Pass (0.8948%)**

**Sample Analysis**

Date: 07/28/2025 11:10 AM      SOP: NY.SOPT.40.090  
 Sample Weight: 0.2033 g      Analyzed By: GC-MS  
 Analyst: Destiny Ribadeneyra

Analyte	LOQ (%)	Results (%)	Analyte	LOQ (%)	Results (%)
3-Carene	0.0004200	<LOQ	gamma-Terpinene	0.0004400	<LOQ
alpha-Bisabolol	0.0005000	0.04460	gamma-Terpineol	0.0003000	<LOQ
alpha-Humulene	0.0005600	0.01900	Geraniol	0.0004800	<LOQ
alpha-Phellandrene	0.0006600	<LOQ	Geranyl acetate	0.0006200	<LOQ
alpha-Pinene	0.0004800	0.004000	Guaial	0.0006000	0.004400
alpha-Terpinene	0.0002600	<LOQ	Isoborneol	0.0003400	<LOQ
alpha-Terpineol	0.0003400	0.004100	Isopulegol	0.0006600	<LOQ
beta-Myrcene	0.0006400	0.01490	Limonene	0.0007400	0.5804
beta-Pinene	0.0006600	0.002700	Linalool	0.0004600	0.01660
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	0.01660	Sabinene	0.0003400	0.002700
Cedrene	0.0004400	<LOQ	Sabinene Hydrate	0.0004200	<LOQ
Cedrol	0.0005600	<LOQ	Terpinolene	0.0005000	0.01850
cis-Nerolidol	0.0006800	<LOQ	trans-b-Ocimene	0.0004200	0.003500
cis-Ocimene	0.0005200	<LOQ	trans-Caryophyllene	0.0006600	0.05940
Eucalyptol	0.0007200	<LOQ	trans-Nerolidol	0.0007200	0.006200
Farnesene	0.0008400	0.09360	Valencene	0.0005600	<LOQ
Fenchone	0.0005000	<LOQ			

Terpene Totals	%	Pass/Fail
Total Terpenes	0.8948	PASS



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*Kristofer Marsh*

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### Trace Metals

Pass

### Sample Analysis

Date: 07/29/2025 12:14 PM

SOP: NY.SOPT.40.050

Analyzed By: ICP-MS

Sample Weight: 0.1256 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	0.0140	PASS
Cadmium (Cd)*	0.00200	0.200	<LOQ	PASS
Chromium (Cr)*	0.00200	110	0.0170	PASS
Copper (Cu)*	0.00200	30.0	0.184	PASS
Lead (Pb)*	0.00200	0.500	0.0160	PASS
Mercury (Hg)*	0.00200	0.100	<LOQ	PASS
Nickel (Ni)*	0.00200	2.00	0.0460	PASS

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### Mycotoxin Analysis

Pass

### Sample Analysis

Date: 07/29/2025 12:32 PM

SOP: NY.SOPT.40.180

Analyzed By: LC-MS/MS

Sample Weight: 0.1 g

Analyst: Destiny Ribadeneyra

Analyte	LOQ (µg/g)	Action Limit (µg/g)	Results (µg/g)	Pass/Fail
Sum of Aflatoxins	-	0.020	0	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:** 07/28/2025 01:50 PM

**SOP:** NY.SOPT.040.270

**Analyzed By:** LC-MS/MS

**Sample Weight:** 0.9987 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	0.145	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
Fonicamid*	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:** 07/28/2025 12:44 PM  
**Analyzed By:** GC-MS/MS  
**Analyst:** Destiny Ribadeneyra

**SOP:** NYS.SOPT.040.271  
**Sample Weight:** N/A

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: 07/28/2025 10:39 AM

SOP: NYS.SOPT.040.272

Analyzed By: GC-MS

Sample Weight: 0.1051 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

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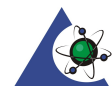
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**SMITHERS**

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**Microbial Impurities - MDG**

**Pass**

**Sample Analysis**

Date: 07/29/2025 09:24 AM

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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Hudson Valley Hemp Company, LLC  
 Address: 18-39 41st Str  
 Astoria Queens, NY 11105  
 Contact Name:  
 Contact Phone:  
 License #: OCM-PROC-24-000208  
 Sample ID: 2507SMNY0517.2538



**SMITHERS**

**CERTIFICATE OF ANALYSIS**

Permit #: OCM-CPL-00004

Certificate: 10495.1

**Microbial Impurities - TAPC**

**Pass**

**Sample Analysis**

Date: 07/25/2025 03:33 PM

SOP: NYS.SOPT.040.200

Analyzed By: Plating

Analyst: Kristy Lee

Analyte	LOQ (CFU/g)	Action Limit (CFU/g)	Results (CFU/g)	Pass/Fail
Total Aerobic Bacteria/CDP-TC	5	10000	70	PASS

**Microbial Impurities - TYMC**

**Pass**

**Sample Analysis**

Date: 07/28/2025 05:15 PM

SOP: NYS.SOPT.040.200

Analyzed By: Plating

Analyst: Kristy Lee

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

**Kristofer Marsh, Ph.D.**

07/30/2025

State Director

**Smithers CTS New York LLC**

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



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