



NanoCann Independent Research  
 Address: 399 Smith st  
 Farmingdale, NY 11735  
 Contact Name:  
 Contact Phone:  
 License #: OCM-PROC-24-000176  
 Sample ID: 2509SMNY0718.3615



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

Certificate: 11576.1

**Brass Knuckles | AIO Vape | Acapulco Gold | Live Liquid Diamond | 1g**

Lot #: BKLD092525AG  
 Sample ID: 2509SMNY0718.3615  
 Regulatory Category: Adult Use  
 Received: 09/26/2025  
 Sampling Location: None

Lot Size: 1500  
 Sample Type: Concentrate  
 Amount Received: 4  
 Sample Collected: 09/26/2025 10:45 AM  
 Published: 10/02/2025



**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>82.1%</b> Total THC
Trace Metals <b>Pass</b>	Microbial Contaminants <b>Pass</b>	Moisture Analysis <b>Not Tested</b>		<b>0.192%</b> Total CBD
	Filth & Foreign <b>Not Tested</b>		<b>88.9 %</b> Total Cannabinoids	

Report Notes: N/A

Kristofer Marsh, Ph.D.  
 State Director

10/02/2025

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: 10/02/2025 06:48 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)	-	82.12	821.2
Tetrahydrocannabinolic acid (THCA)	0.1094	1.39	13.9
Δ8-THC	0.1094	<LOQ	<LOQ
Δ9-THC	0.1094	80.9	809
Δ10-THC-RS	0.1094	<LOQ	<LOQ
Δ10-THC-RR	0.1094	<LOQ	<LOQ
Total Cannabidiol (CBD)	-	0.1917	1.917
Cannabidiolic acid (CBDA)	0.1094	<LOQ	<LOQ
Cannabidiol (CBD)	0.1094	0.1917	1.917
Total Active Tetrahydrocannabivarin (THCV)	-	0.8367	8.367
Tetrahydrocannabivarinic acid (THCVA)	0.1094	0.3603	3.603
Δ9-THCV	0.1094	0.5207	5.207
Total Active Cannabigerol (CBG)	-	1.582	15.82
Cannabigerolic acid (CBGA)	0.1094	<LOQ	<LOQ
Cannabigerol (CBG)	0.1094	1.582	15.82
Cannabidivarin (CBDV)	0.1094	<LOQ	<LOQ
Cannabinol (CBN)	0.1094	3.036	30.36
Cannabichromene (CBC)	0.1094	1.155	11.55

Cannabinoid Totals	Average % (w/w)	mg/serving
Total Cannabinoids	88.92	889.2

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

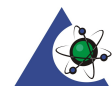
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**Terpene Total**

**Pass (4.296%)**

**Sample Analysis**

Date: 10/01/2025 04:44 PM

SOP: NY.SOPT.40.090

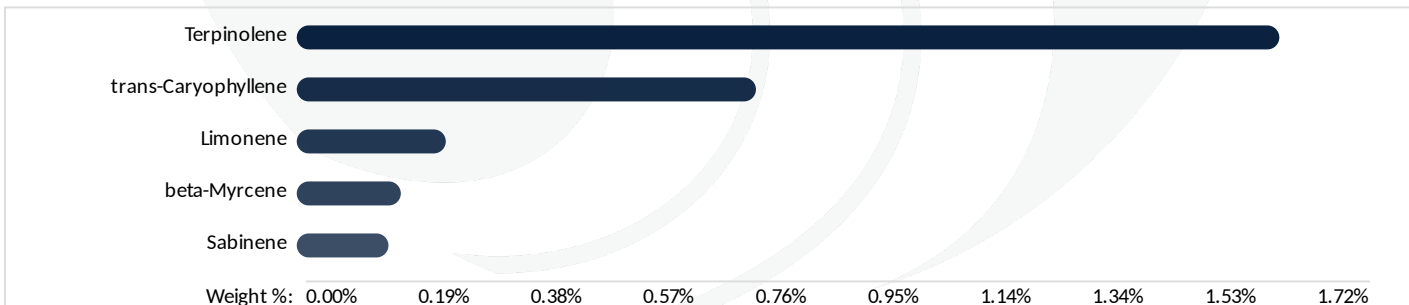
Sample Weight: 0.2331 g

Analyzed By: GC-MS

Analyst: Stephanie Knapp

Analyte	LOQ (%)	Results (%)	Analyte	LOQ (%)	Results (%)
3-Carene	0.0004200	0.06870	gamma-Terpinene	0.0004400	0.01170
alpha-Bisabolol	0.0005000	0.08160	gamma-Terpineol	0.0003000	<LOQ
alpha-Humulene	0.0005600	0.005500	Geraniol	0.0004800	<LOQ
alpha-Phellandrene	0.0006600	0.08090	Geranyl acetate	0.0006200	<LOQ
alpha-Pinene	0.0004800	0.1156	Guaial	0.0006000	0.01450
alpha-Terpinene	0.0002600	0.05340	Isoborneol	0.0003400	0.008200
alpha-Terpineol	0.0003400	0.1083	Isopulegol	0.0006600	<LOQ
beta-Myrcene	0.0006400	0.1819	Limonene	0.0007400	0.2605
beta-Pinene	0.0006600	0.1603	Linalool	0.0004600	0.07760
Borneol	0.0004600	0.01400	Menthol	0.0004600	0.05710
Camphene	0.0004400	0.007700	Nerol	0.0005000	0.01270
Camphor	0.0004000	0.01750	Pulegone (+)	0.0005600	<LOQ
Caryophyllene oxide	0.0005800	0.03320	Sabinene	0.0003400	0.1603
Cedrene	0.0004400	<LOQ	Sabinene Hydrate	0.0004200	<LOQ
Cedrol	0.0005600	<LOQ	Terpinolene	0.0005000	1.717
cis-Nerolidol	0.0006800	<LOQ	trans-b-Ocimene	0.0004200	0.08910
cis-Ocimene	0.0005200	0.1186	trans-Caryophyllene	0.0006600	0.8026
Eucalyptol	0.0007200	0.006700	trans-Nerolidol	0.0007200	<LOQ
Farnesene	0.0008400	<LOQ	Valencene	0.0005600	<LOQ
Fenchone	0.0005000	<LOQ			

Terpene Totals	%	Pass/Fail
Total Terpenes	4.296	PASS



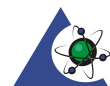
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**Trace Metals**

**Pass**

**Sample Analysis**

Date: 09/30/2025 10:54 AM

SOP: NY.SOPT.40.050

Analyzed By: ICP-MS

Sample Weight: 0.1198 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	0.0110	PASS
Cadmium (Cd)	0.00200	0.200	<LOQ	PASS
Chromium (Cr)	0.00200	110	0.0500	PASS
Copper (Cu)	0.00200	30.0	0.300	PASS
Lead (Pb)	0.00200	0.500	0.0140	PASS
Mercury (Hg)	0.00200	0.100	<LOQ	PASS
Nickel (Ni)	0.00200	2.00	0.0350	PASS

**Mycotoxin Analysis**

**Pass**

**Sample Analysis**

Date: 09/30/2025 05:53 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: 09/30/2025 05:09 PM

SOP: NY.SOPT.040.270

Analyzed By: LC-MS/MS

Sample Weight: 0.9873 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	0.141	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:** 09/30/2025 05:40 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

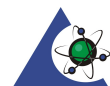
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**Residual Solvents**

**Pass**

**Sample Analysis**

Date: 10/01/2025 04:54 PM

SOP: NYS.SOPT.040.272

Analyzed By: GC-MS

Sample Weight: 0.0953 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

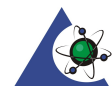
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**Microbial Impurities - MDG**

**Pass**

**Sample Analysis**

**Date:** 10/01/2025 03:20 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

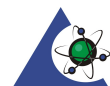
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NanoCann Independent Research  
 Address: 399 Smith st  
 Farmingdale, NY 11735  
 Contact Name:  
 Contact Phone:  
 License #: OCM-PROC-24-000176  
 Sample ID: 2509SMNY0718.3615



**SMITHERS**

**CERTIFICATE OF ANALYSIS**

Permit #: OCM-CPL-00004

Certificate: 11576.1

**Microbial Impurities - TAPC**

**Pass**

**Sample Analysis**

Date: 10/01/2025 02:09 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	100	10000	<LOQ	PASS

**Microbial Impurities - TYMC**

**Pass**

**Sample Analysis**

Date: 10/02/2025 02:12 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	100	1000	<LOQ	PASS

**Kristofer Marsh, Ph.D.**

10/02/2025

State Director

**Smithers CTS New York LLC**

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



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