



NanoCann Independent Research  
 Address: 399 Smith st  
 Farmingdale, NY 11735  
 Contact Name:  
 Contact Phone:  
 License #: OCM-PROC-24-000176  
 Sample ID: 2509SMNY0718.3612



SMITHERS

CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Certificate: 11573.1

Brass Knuckles | AIO Vape | Guava Gelato | Live Liquid Diamond | 1g

Lot #: BKLD092525GG  
 Sample ID: 2509SMNY0718.3612  
 Regulatory Category: Adult Use  
 Received: 09/26/2025  
 Sampling Location: None

Lot Size: 1000  
 Sample Type: Concentrate  
 Amount Received: 3  
 Sample Collected: 09/26/2025 10:39 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>81.5%</b> Total THC
Trace Metals <b>Pass</b>	Microbial Contaminants <b>Pass</b>	Moisture Analysis <b>Not Tested</b>		<b>0.191%</b> Total CBD
	Filth & Foreign <b>Not Tested</b>		<b>88.5 %</b> Total Cannabinoids	

Report Notes: N/A

Kristofer Marsh, Ph.D.

10/02/2025

State Director

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: 10/02/2025 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)	-	81.5	815
Tetrahydrocannabinolic acid (THCA)	0.1318	1.392	13.92
Δ8-THC	0.1318	<LOQ	<LOQ
Δ9-THC	0.1318	80.28	802.8
Δ10-THC-RS	0.1318	<LOQ	<LOQ
Δ10-THC-RR	0.1318	<LOQ	<LOQ
Total Cannabidiol (CBD)	-	0.1908	1.908
Cannabidiolic acid (CBDA)	0.1318	<LOQ	<LOQ
Cannabidiol (CBD)	0.1318	0.1908	1.908
Total Active Tetrahydrocannabivarin (THCV)	-	0.5184	5.184
Tetrahydrocannabivarinic acid (THCVA)	0.1318	<LOQ	<LOQ
Δ9-THCV	0.1318	0.5184	5.184
Total Active Cannabigerol (CBG)	-	1.758	17.58
Cannabigerolic acid (CBGA)	0.1318	<LOQ	<LOQ
Cannabigerol (CBG)	0.1318	1.758	17.58
Cannabidivarin (CBDV)	0.1318	<LOQ	<LOQ
Cannabinol (CBN)	0.1318	3.238	32.38
Cannabichromene (CBC)	0.1318	1.318	13.18

Cannabinoid Totals	Average % (w/w)	mg/serving
Total Cannabinoids	88.52	885.2

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

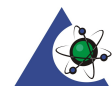
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**Terpene Total**

**Pass (2.184%)**

**Sample Analysis**

Date: 10/01/2025 04:44 PM

SOP: NY.SOPT.40.090

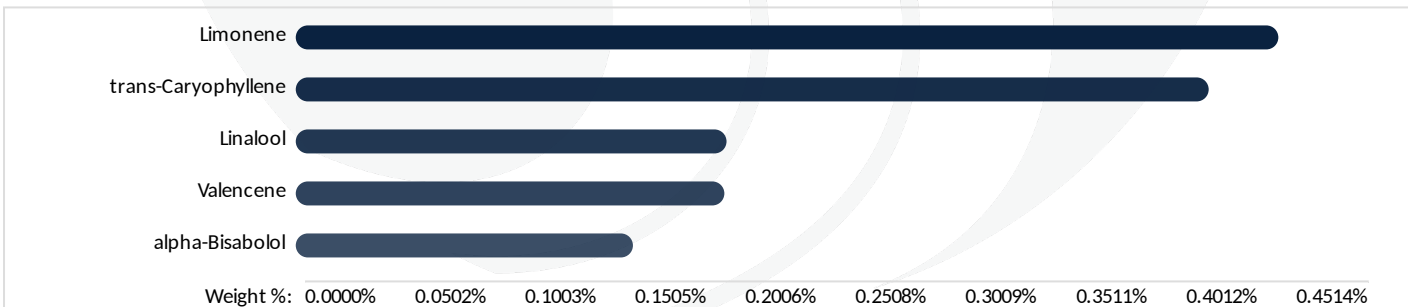
Sample Weight: 0.1935 g

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	0.1549	gamma-Terpineol	0.0003000	<LOQ
alpha-Humulene	0.0005600	0.1066	Geraniol	0.0004800	<LOQ
alpha-Phellandrene	0.0006600	0.01550	Geranyl acetate	0.0006200	<LOQ
alpha-Pinene	0.0004800	0.1112	Guaiol	0.0006000	<LOQ
alpha-Terpinene	0.0002600	<LOQ	Isoborneol	0.0003400	0.007800
alpha-Terpineol	0.0003400	0.05640	Isopulegol	0.0006600	<LOQ
beta-Myrcene	0.0006400	0.1286	Limonene	0.0007400	0.4514
beta-Pinene	0.0006600	0.09490	Linalool	0.0004600	0.1979
Borneol	0.0004600	0.006100	Menthol	0.0004600	0.01730
Camphene	0.0004400	0.02140	Nerol	0.0005000	<LOQ
Camphor	0.0004000	0.006900	Pulegone (+)	0.0005600	<LOQ
Caryophyllene oxide	0.0005800	0.06680	Sabinene	0.0003400	0.09490
Cedrene	0.0004400	<LOQ	Sabinene Hydrate	0.0004200	<LOQ
Cedrol	0.0005600	<LOQ	Terpinolene	0.0005000	0.008400
cis-Nerolidol	0.0006800	<LOQ	trans-b-Ocimene	0.0004200	<LOQ
cis-Ocimene	0.0005200	<LOQ	trans-Caryophyllene	0.0006600	0.4194
Eucalyptol	0.0007200	<LOQ	trans-Nerolidol	0.0007200	<LOQ
Farnesene	0.0008400	<LOQ	Valencene	0.0005600	0.1969
Fenchone	0.0005000	<LOQ			

Terpene Totals	%	Pass/Fail
Total Terpenes	2.184	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: 0.138 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	0.312	PASS
Copper (Cu)	0.00200	30.0	0.351	PASS
Lead (Pb)	0.00200	0.500	0.00900	PASS
Mercury (Hg)	0.00200	0.100	<LOQ	PASS
Nickel (Ni)	0.00200	2.00	0.162	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: 10/02/2025 05:56 PM

SOP: NY.SOPT.040.270

Analyzed By: LC-MS/MS

Sample Weight: 0.9836 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	0.186	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
Etoxazole	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: 0.1057 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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**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



Accreditation #: 121747

This is a Smithers CTS New York LLC certification that relates only to the material tested and shall not be reproduced, unless in its entirety, without written approval from Smithers CTS New York LLC. Test results are confidential, unless explicitly waived. All Pass/Fail results please reference state regulations released on 01FEB2024. Pass/Fail results do not use uncertainty, but is available upon request. The product represented has been tested by Smithers CTS New York LLC using validated scientific methodologies. Note action levels are state determined thresholds for human safety and consumption. Acronym Definitions: ND - Not Detected, LOQ - Limit of Quantification, ULOQ - Upper Limit of Quantification; are terms used to describe the reliably measured smallest and largest concentrations. <LOQ\* denotes the result is above detection limit, but below quantifiable limit. CFU - Colony Forming Units. Cannabis Product Sampling SOP# SOPT.20.010.