

Sample Result: PASS

Date Reported:	12/26/2024	Sample ID:	20241216-LEAF-019
Client Name:	Greenleaf Cannabis LLC	Sample Name:	Thai Stick
Sampling Location:	Buskirk, NY	Sample Matrix:	Flower
Contact Name:	Roland Joobeen	Sample Sub Type:	Flower
License Number:	OCM-MICR-24-000069	Package ID:	
Medical/Adult Use:	Adult Use	Batch Lot ID:	24TAIS
Sampling Date:	12/16/2024 02:00:00 PM	Batch Size:	1536
		Serving Size (g):	3.5

Potency	T	Pesticides	P	Heavy Metals	P	Mycotoxins	P
Water Activity	P	Microbiological	P	Residual Solvents	-	Terpenes	P
		Moisture	P	Filth & Foreign Material	P		

"-" = Not Tested; "T" = Tested; "P" = Pass; "F" = Fail

Cannabinoids: Thai Stick (20241216-LEAF-019)

Potency analysis utilizing HPLC (HPLC-UV: SOP-073-GA)

Analyte	% w/w	mg/serving	MRL (% w/w)
CBDV	< MRL	< MRL	0.250
CBDA	< MRL	< MRL	0.250
CBGA	0.619	21.666	0.250
CBG	< MRL	< MRL	0.250
CBD	< MRL	< MRL	0.250
THCV	< MRL	< MRL	0.250
CBN	< MRL	< MRL	0.250
D9-THC	0.809	28.323	0.250
D8-THC	< MRL	< MRL	0.250
D10-THC-S	< MRL	< MRL	0.250
D10-THC-R	< MRL	< MRL	0.250
CBC	< MRL	< MRL	0.250
THCA	16.697	584.382	0.250

MRL = Minimum reporting limit/limit of quantification
mg/serving = % w/w x10 x serving size weight (g)
Reported on a dry-weight basis based on the calculation:
(wet sample % x 100)/(100 - %MC)

Test ID: #88069 | Date Tested: 12/18/2024 04:25 PM

Potency Summary	% w/w	mg/serving
Total THC [$\Delta 8$ -THC + $\Delta 9$ -THC + $\Delta 10$ -THC + (THCA * 0.877)]	15.452	540.826
Total CBD [CBD + (CBDA * 0.877)]	< MRL	< MRL
Total Cannabinoids	18.125	634.371



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Terpenes: Thai Stick (20241216-LEAF-019)

Terpenes analysis utilizing GC-MS (GC-MS: SOP-063-GA, SOP-069-GA)

Analyte	Result (% w/w)	MRL (% w/w)
alpha-Pinene	0.11	0.06
Camphene	< MRL	0.06
Sabinene	< MRL	0.06
beta-Pinene	0.10	0.06
beta-Myrcene	1.05	0.06
Alpha-phellandrene	< MRL	0.06
Carene	< MRL	0.06
alpha-terpinene	< MRL	0.06
p-Cymene	< MRL	0.06
Limonene	0.09	0.06
Eucalyptol	< MRL	0.06
Ocimene	< MRL	0.04
gamma-Terpinene	< MRL	0.06
Sabinene Hydrate	< MRL	0.06
Terpinolene	< MRL	0.06
Linalool	< MRL	0.06
Fenchol	< MRL	0.06
Menthol	< MRL	0.06
Terpineol	< MRL	0.06
Citronellol	< MRL	0.06
Isopulegol	< MRL	0.06
Geraniol	< MRL	0.06
Alpha-cedrene	0.06	0.04
Beta-Caryophyllene	0.33	0.06
Farnesene	< MRL	0.06
alpha-Humulene	0.18	0.06
Valencene	< MRL	0.06
cis-Nerolidol	< MRL	0.02
trans-Nerolidol	< MRL	0.03
Caryophyllene oxide	< MRL	0.06
Guaiol	< MRL	0.06
alpha-Bisabolol	< MRL	0.06

MRL = Minimum reporting limit/limit of quantification

Test ID: #88076 | Date Tested: 12/24/2024 12:38 PM

Terpenes Summary	Result	Limit	Pass/Fail
Total Terpenes (% w/w)	1.92	10	PASS



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Pesticides: Thai Stick (20241216-LEAF-019)

PASS

Residual pesticide analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MS/MS: SOP-062-GA, SOP-070-GA)

Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)
Abamectin	PASS	< MRL	0.50	0.100
Acephate	PASS	< MRL	0.40	0.100
Acequinocyl	PASS	< MRL	2.00	0.100
Acetamiprid	PASS	< MRL	0.20	0.100
Aldicarb	PASS	< MRL	0.40	0.100
Azadirachtin	PASS	< MRL	1.00	0.250
Azoxystrobin	PASS	< MRL	0.20	0.100
Bifenazate	PASS	< MRL	0.20	0.100
Bifenthrin	PASS	< MRL	0.20	0.100
Boscalid	PASS	< MRL	0.40	0.100
Captan	PASS	< MRL	1.00	0.500
Carbaryl	PASS	< MRL	0.20	0.100
Carbofuran	PASS	< MRL	0.20	0.100
Chlorantranilprole	PASS	< MRL	0.20	0.100
Chlordane	PASS	< MRL	1.00	0.250
Chlorfenapyr	PASS	< MRL	1.00	0.050
Chlormequat chloride	PASS	< MRL	1.00	0.100
Chlorpyrifos	PASS	< MRL	0.20	0.100
Clofentezine	PASS	< MRL	0.20	0.100
Coumaphos	PASS	< MRL	1.00	0.100
Cyfluthrin	PASS	< MRL	1.00	0.100
Cypermethrin	PASS	< MRL	1.00	0.100
Daminozide	PASS	< MRL	1.00	0.100
Diazinon	PASS	< MRL	0.20	0.100
Dichlorvos	PASS	< MRL	1.00	0.100
Dimethoate	PASS	< MRL	0.20	0.100
Dimethomorph	PASS	< MRL	1.00	0.100
Ethoprophos	PASS	< MRL	0.20	0.100
Etofenprox	PASS	< MRL	0.40	0.100
Etoxazole	PASS	< MRL	0.20	0.100
Fenhexamid	PASS	< MRL	1.00	0.100
Fenoxycarb	PASS	< MRL	0.20	0.100
Fenpyroximate	PASS	< MRL	0.40	0.100
Fipronil	PASS	< MRL	0.40	0.100
Flonicamid	PASS	< MRL	1.00	0.100
Fludioxonil	PASS	< MRL	0.40	0.100
Hexythiazox	PASS	< MRL	1.00	0.100
Imazalil	PASS	< MRL	0.20	0.100
Imidacloprid	PASS	< MRL	0.40	0.100
Indole-3-butyric acid	PASS	< MRL	1.00	0.250
Kresoxim-methyl	PASS	< MRL	0.40	0.100
Malathion	PASS	< MRL	0.20	0.100
Metalaxyl	PASS	< MRL	0.20	0.100
Methiocarb	PASS	< MRL	0.20	0.100
Methomyl	PASS	< MRL	0.40	0.100
Methyl Parathion	PASS	< MRL	0.20	0.050
Mevinphos	PASS	< MRL	1.00	0.100
MGK-264 I/II	PASS	< MRL	0.20	0.100
Myclobutanil	PASS	< MRL	0.20	0.100
Naled	PASS	< MRL	0.50	0.100
Oxamyl	PASS	< MRL	1.00	0.100
Paclobutrazol	PASS	< MRL	0.40	0.100
Pentachloronitrobenzene	PASS	< MRL	1.00	0.250
Permethrins, total	PASS	< MRL	0.20	0.100
Phosmet	PASS	< MRL	0.20	0.100
Piperonyl butoxide	PASS	< MRL	2.00	0.100
Prallethrin	PASS	< MRL	0.20	0.100
Propiconazole	PASS	< MRL	0.40	0.100
Propoxur	PASS	< MRL	0.20	0.100
Pyrethrins	PASS	< MRL	1.00	0.100
Pyridaben	PASS	< MRL	0.20	0.100
Spinetoram, Total	PASS	< MRL	1.00	0.100
Spinosad, Total	PASS	< MRL	0.20	0.100
Spiromesifen	PASS	< MRL	0.20	0.100
Spirotetramat	PASS	< MRL	0.20	0.100
Spiroxamine	PASS	< MRL	0.20	0.100
Tebuconazole	PASS	< MRL	0.40	0.100
Thiacloprid	PASS	< MRL	0.20	0.100
Thiamethoxam	PASS	< MRL	0.20	0.100
Trifloxystrobin	PASS	< MRL	0.20	0.100

MRL = Minimum reporting limit/limit of quantification

Test ID: #88075 | Date Tested: 12/24/2024 02:08 PM



Results pertain to the sample received according to sampling procedures SOP-050-NY & SOP-065-NY and relate only to items tested. Action limits are set according to the New York State Office of Cannabis Management Testing Limits. A sample is deemed acceptable when all analyte values are within those state determined limits. Laboratory determined measurement uncertainty is available by request.

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Mycotoxins: Thai Stick (20241216-LEAF-019)					PASS
Mycotoxin analysis utilizing Liquid Chromatography - Mass Spectrometry (LC-MS/MS: SOP-062-GA, SOP-070-GA)					
Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)	
Ochratoxin	PASS	< MRL	0.02	0.010	
Total Aflatoxins	PASS	< MRL	0.02	0.010	
MRL = Minimum reporting limit/limit of quantification			Test ID: #88074 Date Tested: 12/24/2024 02:08 PM		

Heavy Metals: Thai Stick (20241216-LEAF-019)					PASS
Heavy Metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS: SOP-061-NY, SOP-072-GA)					
Analyte	Pass/Fail	Result (µg/g)	Limit (µg/g)	MRL (µg/g)	
Chromium	PASS	< MRL	110.0	8.00	
Nickel	PASS	< MRL	5.0	1.00	
Copper	PASS	16.164	30.0	8.00	
Arsenic	PASS	< MRL	0.2	0.10	
Cadmium	PASS	< MRL	0.2	0.10	
Antimony	PASS	< MRL	2.0	1.00	
Mercury	PASS	< MRL	0.1	0.05	
Lead	PASS	< MRL	0.5	0.20	
MRL = Minimum reporting limit/limit of quantification			Test ID: #88071 Date Tested: 12/18/2024 09:01 AM		

Microbiological Screen: Thai Stick (20241216-LEAF-019)					PASS
Microbial analysis utilizing quantitative Polymerase Chain Reaction and microbial enumeration (qPCR; SOP-700-NY, SOP-701-NY)					
Analyte	Pass/Fail	Results (CFU/g)	Limit (CFU/g)	MRL (CFU/g)	
Total Aerobic Bacteria	PASS	1755938	None	100	
Total Yeast & Mold	PASS	158636	None	100	
Salmonella spp	PASS	Absent	Absent	1	
Shiga toxin-producing E. coli	PASS	Absent	Absent	1	
Aspergillus (fumigatus, flavus, niger, terreus)	PASS	Absent	Absent	1	
MRL = Minimum reporting limit/limit of quantification			Test ID: #88072 Date Tested: 12/23/2024 08:19 AM		

Moisture Content: Thai Stick (20241216-LEAF-019)					PASS
Moisture content analysis utilizing Moisture Balance (MB; SOP-055-GA)					
Analyte	Pass/Fail	Result (%)	Limit (%)		
Moisture	PASS	13.2	15		
MRL = Minimum reporting limit/limit of quantification			Test ID: #88073 Date Tested: 12/18/2024 08:45 AM		

Water Activity: Thai Stick (20241216-LEAF-019)					PASS
Water activity analysis utilizing a chilled mirror dew point sensor (SOP-059-GA)					
Analyte	Pass/Fail	Result (a _w)	Limit (a _w)		
Water Activity	PASS	0.57	0.65		
MRL = Minimum reporting limit/limit of quantification			Test ID: #88077 Date Tested: 12/18/2024 08:45 AM		



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Filth and Foreign Material: Thai Stick (20241216-LEAF-019)**PASS**

Filth and Foreign Material analysis utilizing microscopy (SOP-057-NY)

Analyte	Results	Limit	Pass/Fail
Foreign Material (other, % m/m)	ND	2	PASS
Foreign Material (stems, % m/m)	ND	5	PASS
Mammalian Excreta (mg/lb)	ND	1	PASS

ND = Not Detected

Test ID: #88070 | Date Tested: 12/18/2024 08:59 AM



Matthew Elmes
Lab Director
12/26/2024

