

Customer Name: Theraplant, LLC
Customer Address: 856 Echo Lake Road
Watertown, CT 06795
Phone Number: 860-417-6481

Results issued on: 6/13/2022 COA No.: 84061322-B

Client Lot Number	Sample ID	Tests Conducted	Reference Method
SPEN-22-009	1783-3 1783-4	Quality Control Analysis	see table below
	1783-4	Active Ingredient Analysis	ASL-SOP-300
	1783-4	Terpene Analysis	ASL-SOP-301

Quality Control Analysis and Results

Test	Test Conducted	Reference Method	Specification	Results (Pass/Fail)
Microbiology	Total Aerobic Microbial Count	USP <2023>	< 10 ⁵ CFU/g	Passed
	Total Yeast and Mold Count	USP <2023>	< 10 ⁵ CFU/g	Passed
	<i>STE.coli</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>E. coli</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Salmonella</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>L. monocytogenes</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus fumigatus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus flavus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus niger</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus terreus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
Mycotoxins	Aflatoxin B1	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin B2	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin G1	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin G2	ASL-SOP-213	< 20 ug/Kg	Passed
	Ochratoxin A	ASL-SOP-213	< 20 ug/Kg	Passed
Heavy Metals	Arsenic - As	ASL-SOP-400	< 0.14 ug/Kg	Passed
	Cadmium - Cd	ASL-SOP-400	< 0.09 ug/Kg	Passed
	Mercury - Hg	ASL-SOP-400	< 0.29 ug/Kg	Passed
	Lead - Pb	ASL-SOP-400	< 0.29 ug/Kg	Passed

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Client Lot Number: SPEN-22-009

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (% w/w)	mg per 1-mL	mg per 0.1 mL	350 mg (THC + THCA)	200 mg (THC + THCA)
Cannabidivarin (CBDV)	<0.01	<0.01	<0.01	<0.01	<0.01
Cannabidiol Acid (CBD-A)	<0.01	<0.01	<0.01	<0.01	<0.01
Cannabigerol Acid (CBG-A)	<0.01	<0.01	<0.01	<0.01	<0.01
Cannabigerol (CBG)	1.98	20.6	2.06	8.39	4.79
Cannabidiol (CBD)	0.50	5.20	0.52	2.12	1.21
Tetrahydrocannabivarin (THCV)	0.55	5.72	0.57	2.33	1.33
Cannabinol (CBN)	3.79	39.4	3.94	16.1	9.17
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	82.3	856	85.6	349	199
Cannabichromene (CBC)	1.49	15.5	1.55	6.31	3.61
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	0.34	3.54	0.35	1.44	0.82
Total	88.5	946	94.6	386	220
Total weight of sample	-----	-----	-----	0.424 g	0.242 g
Density = 1.04 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
α -Pinene	0.30
β -Myrcene	1.17
Limonene	0.30
α -Bisabolol	0.22
Linalool	0.22
β -Caryophyllene	0.89
Humulene	0.37



Results Approved by
Jose A. Zavaleta, Lab Director

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