

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

Results issued on: 7/26/2022 COA No.: 84072622-F

Client Lot Number	Sample ID	Tests Conducted	Reference Method
SPEN22-013	1796-3 1796-4	Quality Control Analysis	see table below
	1796-4	Active Ingredient Analysis	ASL-SOP-300
	1796-4	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: **SPEN22-013**

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)	0.11	1.16	0.12	0.46	0.26
Cannabigerol (CBG)	2.33	24.5	2.45	9.67	5.53
Cannabidiol (CBD)	0.45	4.73	0.47	1.87	1.07
Tetrahydrocannabivarin (THCV)	0.56	5.88	0.59	2.33	1.33
Cannabinol (CBN)	2.93	30.8	3.08	12.2	6.95
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	84.2	884	88.4	350	200
Cannabichromene (CBC)	1.16	12.2	1.22	4.82	2.75
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	0.10	1.05	0.11	0.42	0.24
Total	91.8	964	96.4	381	218
Total weight of sample	-----	-----	-----	0.415 g	0.237 g
Density = 1.05 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
α -Pinene	0.29
β -Pinene	0.42
β -Myrcene	0.68
Limonene	0.60
α -Bisabolol	0.32
Linalool	0.65
β -Caryophyllene	1.50
Humulene	0.57
Guaiol	0.17



Results Approved by
Jose A. Zavaleta, Lab Director

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