

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

Results issued on: 8/8/2022 COA No.: 84080822-D

Client Lot Number	Sample ID	Tests Conducted	Reference Method
HPEN22-013	1800-3 1800-4	Quality Control Analysis	see table below
	1800-4	Active Ingredient Analysis	ASL-SOP-300
	1800-4	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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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)	0.27	2.84	0.28	1.12	0.64
Cannabigerol (CBG)	2.16	22.7	2.27	8.99	5.13
Cannabidiol (CBD)	0.29	3.05	0.30	1.21	0.69
Tetrahydrocannabivarin (THCV)	0.76	7.98	0.79	3.16	1.81
Cannabinol (CBN)	2.23	23.4	2.34	9.28	5.30
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	82.5	866	86.6	343	196
Cannabichromene (CBC)	1.51	15.9	1.59	6.28	3.59
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	1.63	17.1	1.71	6.78	3.87
Total	91.4	959	95.9	380	217
Total weight of sample	-----	-----	-----	0.416 g	0.238 g
Density = 1.05 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
α -Pinene	0.18
β -Pinene	0.21
β -Myrcene	0.39
Limonene	0.48
Guaiol	0.18
Linalool	0.49
β -Caryophyllene	1.08
Humulene	0.47
α -Bisabolol	0.29



Results Approved by
Jose A. Zavaleta, Lab Director

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