

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

Results issued on: 8/9/2022 COA No.: 84080822-B

Client Lot Number	Sample ID	Tests Conducted	Reference Method
HPEN22-012	1799-11 1799-12	Quality Control Analysis	see table below
	1799-12	Active Ingredient Analysis	ASL-SOP-300
	1799-12	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)	0.14	1.43	0.14	0.59	0.34
Cannabigerol (CBG)	3.03	30.9	3.09	12.7	7.28
Cannabidiol (CBD)	0.33	3.37	0.33	1.39	0.79
Tetrahydrocannabivarin (THCV)	0.87	8.87	0.88	3.66	2.09
Cannabinol (CBN)	2.92	29.8	2.98	12.3	7.01
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	83.1	848	84.8	349	200
Cannabichromene (CBC)	1.07	10.9	1.09	4.50	2.57
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	0.20	2.04	0.20	0.84	0.48
Total	91.7	935	93.5	385	220
Total weight of sample	-----	-----	-----	0.420 g	0.240 g
Density = 1.02 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
α -Pinene	0.38
β -Pinene	0.42
β -Myrcene	0.61
Limonene	0.58
Linalool	0.66
β -Caryophyllene	1.39
Humulene	1.33



Results Approved by
Jose A. Zavaleta, Lab Director

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