

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-J

Client Lot Number	Sample ID	Tests Conducted	Reference Method
HPEN22-009	1775-1 1775-2	Quality Control Analysis	see table below
	1775-2	Active Ingredient Analysis	ASL-SOP-300
	1775-2	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)	0.12	1.25	0.12	0.50	0.28
Cannabigerol (CBG)	2.95	30.7	3.07	12.2	6.99
Cannabidiol (CBD)	0.28	2.91	0.29	1.16	0.66
Tetrahydrocannabivarin (THCV)	0.62	6.45	0.64	2.57	1.47
Cannabinol (CBN)	1.87	19.4	1.94	7.75	4.43
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	83.6	869	86.9	347	198
Cannabichromene (CBC)	1.12	11.6	1.16	4.64	2.65
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	0.81	8.42	0.84	3.36	1.92
Total	91.4	950	95.0	379	216
Total weight of sample	-----	-----	-----	0.415 g	0.237 g
Density = 1.04 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
β -Pinene	0.11
β -Myrcene	0.45
Limonene	0.69
Linalool	0.47
β -Caryophyllene	2.24
Humulene	0.94
α -Bisabolol	0.14



Results Approved by
Jose A. Zavaleta, Lab Director

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