

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

Results issued on: 5/23/2022 COA No.: 84052322-F

Client Lot Number	Sample ID	Tests Conducted	Reference Method
HPEN22-007	1774-11 1774-12	Quality Control Analysis	
	1774-12	Active Ingredient Analysis	ASL-SOP-300
	1774-12	Terpene Analysis	ASL-SOP-301

Quality Control Results

<u>Test</u>	<u>Test Conducted</u>	<u>Reference Method</u>	<u>Specification</u>	<u>Results (Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count	USP <1111>	< 200 CFU/g	Passed
	Total Yeast and Mold Count	USP <1111>	< 20 CFU/g	Passed
	<i>P. aeruginosa</i>	USP <1111>	Not Detected in 1 gram	Passed
	<i>S. aureus</i>	USP <1111>	Not Detected in 1 gram	Passed
	Gram Neg.	USP <1111>	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: HPEN22-007

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)	0.13%	1.33	0.13	0.55	0.31
Cannabigerol (CBG)	1.64%	16.7	1.67	6.93	3.96
Cannabidiol (CBD)	0.47%	4.79	0.48	1.98	1.13
Tetrahydrocannabivarin (THCV)	0.49%	5.00	0.50	2.07	1.18
Cannabinol (CBN)	3.18%	32.4	3.24	13.4	7.67
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	82.7%	844	84.4	349.2	199.6
Cannabichromene (CBC)	1.40%	14.3	1.43	5.91	3.38
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	0.18%	1.84	0.18	0.76	0.43
Total	90.2%	920 mg	92.0 mg	380.8 mg	217.7 mg
Total weight of sample	-----	-----	-----	0.422 g	0.241 g
Density = 1.02 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	0.47%
β -Pinene	0.67%
β -Myrcene	0.24%
Limonene	0.48%
α -Bisabolol	0.16%
β -Caryophyllene	0.49%
Humulene	0.13%



Results Approved by
Jose A. Zavaleta, Lab Director

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