

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

Results issued on: 8/31/2020 COA No.: 84083120-E

Client Lot Number	Sample ID	Tests Conducted
HPEN20-012	1607-8	Quality Control Analysis
	1607-9	
	1607-9	Active Ingredient Analysis
	1607-9	Terpene Analysis

Quality Control Results

<u>Test</u>	<u>Test Conducted</u>	<u>Specification</u>	<u>Results (Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count	< 200 CFU/g	Passed
	Total Yeast and Mold Count	< 20 CFU/g	Passed
	Gram-negative Bacteria	Not Present	Passed
	<i>Staphylococcus aureus</i>	Not Present	Passed
	<i>Pseudomonas aeruginosa</i>	Not Present	Passed
Mycotoxins	Aflatoxin B1	< 20 ug/Kg	Passed
	Aflatoxin B2	< 20 ug/Kg	Passed
	Aflatoxin G1	< 20 ug/Kg	Passed
	Aflatoxin G2	< 20 ug/Kg	Passed
	Ochratoxin A	< 20 ug/Kg	Passed
Heavy Metals	Arsenic - As	< 4.206 ug/g	Passed
	Cadmium - Cd	< 2.704 ug/g	Passed
	Mercury - Hg	< 8.712 ug/g	Passed
	Lead - Pb	< 8.712 ug/g	Passed
Pesticides	See attachment A		Residues Detected
			ND

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Client Lot Number: HPEN20-012

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 1-mL	mg per 0.299-g of product	mg per 0.523-g of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	10.6%	105	31.7	55.4
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	56.3%	555	168	294
Cannabidiol Acid (CBD-A)	0.15%	1.48	0.45	0.78
Cannabidiol (CBD)	0.25%	2.46	0.75	1.31
Cannabigerol Acid (CBG-A)	0.72%	7.10	2.15	3.77
Cannabigerol (CBG)	1.24%	12.2	3.71	6.49
Cannabinol (CBN)	1.09%	10.7	3.26	5.70
Cannabichromene (CBC)	1.24%	12.2	3.71	6.49
Tetrahydrocannabivarin (THCV)	0.48%	4.73	1.44	2.51
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10
Total		710.9	215.2	376.5

Total Cannabinoids per 0.1 mL = 71.1 mg

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	<0.10%
β -Pinene	<0.10%
β -Myrcene	0.18%
Limonene	0.64%
Ocimene	<0.10%
Linalool	0.12%
β -Caryophyllene	3.48%
Humulene	0.72%



Results Approved by Jose A. Zavaleta, Lab Director

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Attachment A

Pesticide	Residue limits according to EPA in parts per billion (ppb)
Avermectin (abamectin)	< 10
Acequinocyl	< 20
Bifenazate	< 100
Bifenthrin (synthetic pyrethroid)	< 50
Cyfluthrin (synthetic pyrethroid)	< 20
Etoxazole	< 10
Imazalil	< 100
Imidacloprid	< 50
Myclobutanil	< 20
Paclobutrazol	< 400
Pyrethrins (synthetic)	< 50
Spinosad	< 10
Spiromesifen	< 20
Spirotetramat	< 200
Trifloxystrobin	< 50