

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

Results issued on: 7/27/2020 COA No.: 84072720-C

Client Lot Number	Sample ID	Tests Conducted
HPEN20-011	1597-7	Quality Control Analysis
	1597-8	
	1597-8	Active Ingredient Analysis
	1597-8	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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Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 1-mL	mg per 0.283-g of product	mg per 0.496-g of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	4.58%	45.3	13.0	22.7
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	66.0%	652.7	186.8	327.4
Cannabidiol Acid (CBD-A)	0.11%	1.09	0.31	0.55
Cannabidiol (CBD)	0.33%	3.26	0.93	1.64
Cannabigerol Acid (CBG-A)	0.42%	4.15	1.19	2.08
Cannabigerol (CBG)	1.30%	12.9	3.68	6.45
Cannabinol (CBN)	1.44%	14.2	4.08	7.14
Cannabichromene (CBC)	1.15%	11.4	3.25	5.70
Tetrahydrocannabivarin (THCV)	0.63%	6.23	1.78	3.12
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10
Total		751.2	215.0	376.8

Total Cannabinoids per 0.1 mL = 75.1 mg

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	<0.10%
β -Pinene	0.39%
β -Myrcene	0.55%
Limonene	1.03%
Ocimene	<0.10%
Linalool	0.16%
β -Caryophyllene	1.42%
Humulene	0.25%



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

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