

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

Results issued on: 8/19/2020 COA No.: 84081920-A

Client Lot Number	Sample ID	Tests Conducted
HPJH20-002	1604-1	Quality Control Analysis
	1604-2	
	1604-2	Active Ingredient Analysis
	1604-2	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
	<i>E. coli</i>	Not Detected in 1 gram	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 pill (267.4-mg of product)	mg per pill (401.1-mg of product)	mg per pill (534.8-mg of product)
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	<0.10%	<0.10	<0.10	<0.10
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	37.4%	100	150	200
Cannabidiol Acid (CBD-A)	<0.10%	<0.10	<0.10	<0.10
Cannabidiol (CBD)	0.32%	0.86	1.28	1.71
Cannabigerol Acid (CBG-A)	<0.10%	<0.10	<0.10	<0.10
Cannabigerol (CBG)	1.21%	3.23	4.85	6.47
Cannabinol (CBN)	0.99%	2.68	3.97	5.29
Cannabichromene (CBC)	0.30%	0.80	1.20	1.60
Tetrahydrocannabivarin (THCV)	<0.10%	<0.10	<0.10	<0.10
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10
	Total	108.2	161.3	215.1
Total Cannabinoids in 10 pills (mg)		1082	1613	2151
Total Weight of 10 pills (mg)		2674	4011	5348

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	<0.10%
Limonene	<0.10%
Ocimene	<0.10%
Linalool	<0.10%
β -Caryophyllene	<0.10%
Humulene	<0.10%



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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