

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

Results issued on: 4/27/2020 COA No.: 84042720-I

Client Lot Number	Sample ID	Tests Conducted
HPJH20-001	1568-2	Quality Control Analysis
	1568-3	
	1568-3	Active Ingredient Analysis
	1568-3	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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Client Lot Number: HPJH20-001

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per pill (291.6-mg of product)	mg per pill (437.4-mg of product)	mg per pill (583.1-mg of product)
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	2.06%	6.00	9.01	12.0
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	34.3%	100.0	150.0	200.0
Cannabidiol Acid (CBD-A)	<0.10%	<0.10	<0.10	<0.10
Cannabidiol (CBD)	1.19%	3.47	5.20	6.94
Cannabigerol Acid (CBG-A)	<0.10%	<0.10	<0.10	<0.10
Cannabigerol (CBG)	0.92%	2.68	4.02	5.36
Cannabinol (CBN)	0.88%	2.56	3.85	5.13
Cannabichromene (CBC)	0.38%	1.11	1.66	2.21
Tetrahydrocannabivarin (THCV)	0.40%	1.16	1.75	2.33
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10
	Total	117.0	175.5	233.9
Total Cannabinoids (10 pills)		1170	1755	2339
Total Weight (10 pills)		2916	4374	5831

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	0.11%
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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