

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

Results issued on: 9/29/2020 COA No.: 84092920-C

Client Lot Number	Sample ID	Tests Conducted
IPEN20-021	1602-5	Quality Control Analysis
	1602-6	
	1602-6	Active Ingredient Analysis
	1602-6	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
			Residues Detected
Pesticides	See attachment A		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 0.263-g of product	mg per 0.459-g of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	5.88%	58.6	15.5	27.0
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	70.3%	701	185	323
Cannabidiol Acid (CBD-A)	<0.10%	<0.10	<0.10	<0.10
Cannabidiol (CBD)	0.30%	2.99	0.79	1.38
Cannabigerol Acid (CBG-A)	0.36%	3.59	0.95	1.65
Cannabigerol (CBG)	1.60%	15.9	4.21	7.34
Cannabinol (CBN)	1.17%	11.7	3.08	5.37
Cannabichromene (CBC)	1.06%	10.6	2.79	4.86
Tetrahydrocannabivarin (THCV)	0.59%	5.88	1.55	2.71
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10
Total		810.3	213.9	373.3

Total Cannabinoids per 0.1 mL = 81.0 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	1.38%
Limonene	<0.10%
Ocimene	0.12%
Linalool	0.19%
β -Caryophyllene	0.58%
Humulene	0.21%



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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