

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-B

Client Lot Number	Sample ID	Tests Conducted
IPEN20-022	1616-3	Quality Control Analysis
	1616-4	
	1616-4	Active Ingredient Analysis
	1616-4	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 0.269-g of product	mg per 0.471-g of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	0.22%	2.18	0.59	1.04
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	74.1%	734	199	349
Cannabidiol Acid (CBD-A)	<0.10%	<0.10	<0.10	<0.10
Cannabidiol (CBD)	0.36%	3.57	0.97	1.69
Cannabigerol Acid (CBG-A)	0.19%	1.88	0.51	0.89
Cannabigerol (CBG)	2.95%	29.2	7.93	13.9
Cannabinol (CBN)	1.47%	14.6	3.95	6.92
Cannabichromene (CBC)	2.08%	20.6	5.59	9.80
Tetrahydrocannabivarin (THCV)	1.18%	11.7	3.17	5.56
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10
Total		817.7	221.7	388.8

Total Cannabinoids per 0.1 mL = 81.8 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	0.66%
Limonene	2.23%
Ocimene	<0.10%
Linalool	0.23%
β -Caryophyllene	0.48%
Humulene	0.11%



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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