

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

Results issued on: 4/19/2020 COA No.: 84041920-B

Client Lot Number	Sample ID	Tests Conducted
IPEN20-009	1564-4	Quality Control Analysis
	1564-5	
	1564-5	Active Ingredient Analysis
	1564-5	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	< 10 ⁶ CFU/g	Passed
	Total Yeast and Mold Count	< 10 ⁴ 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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Client Lot Number: IPEN20-009

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)	mg per 0.1- mL	mg per 1-mL	mg per 511.7- mg of product	mg per 292.4- mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	10.4%	10.4	104	53.2	30.4
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	58.0%	57.9	579	296.8	169.6
Cannabidiol Acid (CBD-A)	0.19%	0.19	1.90	0.97	0.55
Cannabidiol (CBD)	0.20%	0.20	2.00	1.02	0.58
Cannabigerol Acid (CBG-A)	0.61%	0.61	6.09	3.12	1.78
Cannabigerol (CBG)	2.78%	0.27	27.7	14.2	8.13
Cannabinol (CBN)	1.14%	1.14	11.4	5.83	3.33
Cannabichromene (CBC)	1.25%	1.25	12.5	6.39	3.65
Tetrahydrocannabivarin (THCV)	0.70%	0.70	6.99	3.58	2.04
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10	<0.10
Total		72.6 mg	751 mg	385.1 mg	220.0 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	0.16%
Limonene	0.37%
Ocimene	<0.10%
Linalool	0.32%
β -Caryophyllene	0.84%
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