

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

Results issued on: 6/14/2020 COA No.: 84061420-D

Client Lot Number	Sample ID	Tests Conducted
IPEN20-013	1582-7	Quality Control Analysis
	1582-8	
	1582-8	Active Ingredient Analysis
	1582-8	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
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 1-mL	mg per 280.8-mg of product	mg per 491.3-mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	1.15%	11.2	3.23	5.65
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	70.1%	682.0	196.8	344.4
Cannabidiol Acid (CBD-A)	<0.10%	<0.10	<0.10	<0.10
Cannabidiol (CBD)	0.23%	2.23	0.64	1.13
Cannabigerol Acid (CBG-A)	0.41%	3.99	1.15	2.01
Cannabigerol (CBG)	3.42%	33.2	9.60	16.8
Cannabinol (CBN)	1.27%	12.3	3.56	6.24
Cannabichromene (CBC)	1.92%	18.7	5.39	9.43
Tetrahydrocannabivarin (THCV)	0.44%	4.28	1.23	2.16
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10
Total		767.9	221.6	387.8

Total Cannabinoids per 0.1 mL = 76.8 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	0.99%
Limonene	0.74%
Ocimene	<0.10%
Linalool	0.89%
β -Caryophyllene	0.81%
Humulene	0.41%



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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