

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

Results issued on: 6/15/2020 COA No.: 84061520-B

Client Lot Number	Sample ID	Tests Conducted
IPEN20-014	1582-9	Quality Control Analysis
	1582-10	
	1582-10	Active Ingredient Analysis
	1582-10	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 280.0-mg of product	mg per 489.7-mg of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	0.38%	3.67	1.06	1.86
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	71.1%	687.5	199.1	348.1
Cannabidiol Acid (CBD-A)	<0.10%	<0.10	<0.10	<0.10
Cannabidiol (CBD)	0.51%	4.93	1.43	2.49
Cannabigerol Acid (CBG-A)	0.14%	1.35	0.39	0.68
Cannabigerol (CBG)	1.02%	9.86	2.85	4.99
Cannabinol (CBN)	2.11%	20.4	5.91	10.3
Cannabichromene (CBC)	1.13%	10.9	3.16	5.53
Tetrahydrocannabivarin (THCV)	0.61%	5.90	1.71	2.98
Cannabidivarin (CBDV)	<0.10%	<0.10	<0.10	<0.10
Total		744.5	215.6	376.9

Total Cannabinoids per 0.1 mL = 74.4 mg

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	0.66%
β -Pinene	0.41%
β -Myrcene	0.21%
Limonene	1.27%
Ocimene	<0.10%
Linalool	0.21%
β -Caryophyllene	1.17%
Humulene	0.23%



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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