

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

Sample ID: 84061215-4 (Lot: 100mg P10)

Results issued on: 6/15/2015

COA No. 1070-C

Quality Control Analysis

<u>Test</u>	<u>Specification</u>	<u>Results</u> <u>(Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count (< 2K CFU/g)	Pass
	Total Yeast and Mold Count (< 200 CFU/g)	Pass
	Bile-tolerant Gram-negative Bacteria/ <i>Escherichia coli</i> (absence)	Pass
	<i>Staph. aureus</i> (absence)	Pass
	<i>Pseud. aeruginosa</i> (absence)	Pass
Mycotoxins	Aflatoxin B1 (< 20 ug/Kg)	Pass
	Aflatoxin B2 (< 20 ug/Kg)	Pass
	Aflatoxin G1 (< 20 ug/Kg)	Pass
	Aflatoxin G1 (< 20 ug/Kg)	Pass
	Ochratoxin A (< 20 ug/Kg)	Pass
Heavy Metals	Arsenic - As (< 4.206 ug/g)	Pass
	Cadmium - Cd (< 2.704 ug/g)	Pass
	Mercury - Hg (< 8.712 ug/g)	Pass
	Lead - Pb (< 8.712 ug/g)	Pass
Pesticides	<i>See attachment A</i>	Pass

Cannabinoid Analysis

Via High Performance Liquid Chromatography (HPLC) Analysis

Cannabinoid	Percent by Weight (w/w)
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	6.658%
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	13.643%
Cannabidiol Acid (CBD-A)	0.054%
Cannabidiol (CBD)	0.225%
Cannabigerol Acid (CBG-A)	0.531%
Cannabigerol (CBG)	0.264%
Cannabinol (CBN)	0.120%
Cannabichromene (CBC)	0.178%

Cannabinoid	mg per pill
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	28.80
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	59.02
Cannabidiol Acid (CBD-A)	0.23
Cannabidiol (CBD)	0.97
Cannabigerol Acid (CBG-A)	2.30
Cannabigerol (CBG)	1.14
Cannabinol (CBN)	0.52
Cannabichromene (CBC)	0.77

Terpenoid Analysis

Via Gas Chromatography Mass Spectrometry (GC-MS) Analysis

Terpene	Percent by Weight (w/w)
α -Pinene	<0.010%
β -Pinene	<0.010%
β -Myrcene	<0.010%
Limonene	0.050%
Ocimene	<0.010%
Linalool	0.037%
β -Caryophyllene	0.159%
Humulene	0.055%



Results Approved by: Jose A. Zavaleta, Director

Attachment A

Pesticide	Residue limits according to EPA in parts per billion (ppb)	Results
Avermectin (abamectin)	< 10	Pass
Acequinocyl	< 20	Pass
Bifenazate	< 100	Pass
Bifenthrin (synthetic pyrethroid)	< 50	Pass
Cyfluthrin (synthetic pyrethroid)	< 20	Pass
Etoxazole	< 10	Pass
Imazalil	< 100	Pass
Imidacloprid	< 50	Pass
Myclobutanil	< 20	Pass
Paclobutrazol	< 400	Pass
Pyrethrins (synthetic)	< 50	Pass
Spinosad	< 10	Pass
Spiromesifen	< 20	Pass
Spirotetramat	< 200	Pass
Trifloxystrobin	< 50	Pass