

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

Sample ID: 84081315-4/5 (Lot: 100mgP20) Results issued on: 8/18/2015 COA No. 1088-A

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
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)	0.042%
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	32.713%
Cannabidiol Acid (CBD-A)	0.054%
Cannabidiol (CBD)	<0.010%
Cannabigerol Acid (CBG-A)	0.161%
Cannabigerol (CBG)	0.800%
Cannabinol (CBN)	0.523%
Cannabichromene (CBC)	0.633%
Cannabinoid	mg per mL of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	5.37
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	286.25
Cannabidiol Acid (CBD-A)	0.51
Cannabidiol (CBD)	1.36
Cannabigerol Acid (CBG-A)	1.41
Cannabigerol (CBG)	7.26
Cannabinol (CBN)	4.74
Cannabichromene (CBC)	5.80

Terpenoid Analysis

Via Gas Chromatography Mass Spectrometry (GC-MS) Analysis

Terpene	Percent by Weight (w/w)
α -Pinene	0.041%
β -Pinene	0.012%
β -Myrcene	0.157%
Limonene	0.231%
Ocimene	0.044%
Linalool	0.065%
β -Caryophyllene	0.276%
Humulene	0.100%



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