

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

Sample ID: 84071415-1/2 (Lot: 235)

Results issued on: 7/19/2015

COA No. 1081-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 (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 G2 (< 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)	13.588%
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	0.615%
Cannabidiol Acid (CBD-A)	0.037%
Cannabidiol (CBD)	<0.010%
Cannabigerol Acid (CBG-A)	1.250%
Cannabigerol (CBG)	0.059%
Cannabinol (CBN)	<0.010%
Cannabichromene (CBC)	0.021%

Terpenoid Analysis

Via Gas Chromatography Mass Spectrometry (GC-MS) Analysis

Terpene	Percent by Weight (w/w)
α -Pinene	0.033%
β -Pinene	0.022%
β -Myrcene	0.068%
Limonene	0.043%
Ocimene	0.088%
Linalool	0.032%
β -Caryophyllene	0.147%
Humulene	0.042%



Results Approved by: Jose A. Zavaleta, Lab 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