

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

Results issued on: 12/26/2015 COA No.: 84122615-B

Client Lot Number	Sample ID	Tests Conducted
SpenO-01	84122415-7	Quality Control Analysis
	84122415-8	Active Ingredient Analysis
	84122415-8	Terpene Analysis

Quality Control Results

<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	See attachment A	Pass

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

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Cannabinoid	Percent by weight (w/w)
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	36.26%
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	34.15%
Cannabidiol Acid (CBD-A)	0.23%
Cannabidiol (CBD)	<0.01%
Cannabigerol Acid (CBG-A)	1.88%
Cannabigerol (CBG)	1.05%
Cannabinol (CBN)	0.49%
Cannabichromene (CBC)	0.52%

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	0.01%
β -Pinene	0.02%
β -Myrcene	0.21%
Limonene	0.17%
Ocimene	0.02%
Linalool	0.29%
β -Caryophyllene	0.72%
Humulene	0.24%



Results Approved by: Jose A. Zavaleta, Lab Director

Attachment A

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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