

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

Results issued on: 9/9/2015 COA No.: 84090915-A

Sample ID	Test Conducted	Client Lot Number
84090315-4	Quality Control Analysis	CBDPJ
84090315-5	Active Ingredient Analysis	
21090315-5	Terpene Content 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/ <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 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)

Cannabinoid	Percent by weight (w/w)	mg per mL of product
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	0.038%	0.36
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	0.624%	5.90
Cannabidiol Acid (CBD-A)	2.454%	23.19
Cannabidiol (CBD)	4.688%	44.30
Cannabigerol Acid (CBG-A)	0.042%	0.40
Cannabigerol (CBG)	0.038%	0.36
Cannabinol (CBN)	0.015%	0.14
Cannabichromene (CBC)	0.211%	2.00

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α -Pinene	0.018%
β -Pinene	<0.010%
β -Myrcene	0.046%
Limonene	0.052%
Ocimene	0.079%
Linalool	0.015%
β -Caryophyllene	0.224%
Humulene	0.070%



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