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1 Hartford Square, New Britain, CT 06052
Tel: (860) 224-6668

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

Results issued on: 1/16/2019 COA No.: 84011619-B

Client Lot Number	Sample ID	Tests Conducted
ESD-18-1	1435-1 1435-2	Quality Control Analysis
	1435-2	Active Ingredient Analysis
	1435-2	Terpene Analysis

Quality Control Results

Test	Test Conducted	Specification	Results (Pass/Fail)
Microbiology	Total Aerobic Microbial Count	< 10^6 CFU/g	Passed
	Total Yeast and Mold Count	< 10^4 CFU/g	Passed
	Gram-negative Bacteria	< 10^2 CFU/g	Passed
	E. coli (pathogenic strains)	Not Detected in 1 gram	Passed
	Salmonella	Not Detected in 1 gram	Passed
Mycotoxins	Aflatoxin B1	< 20 ug/Kg	Passed
	Aflatoxin B2	< 20 ug/Kg	Passed
	Aflatoxin G1	< 20 ug/Kg	Passed
	Aflatoxin G2	< 20 ug/Kg	Passed
	Ochratoxin A	< 20 ug/Kg	Passed
Heavy Metals	Arsenic - As	< 4.206 ug/g	Passed
	Cadmium - Cd	< 2.704 ug/g	Passed
	Mercury - Hg	< 8.712 ug/g	Passed
	Lead - Pb	< 8.712 ug/g	Passed
Pesticides	*See attachment A*		Passed

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Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (w/w)
Δ^9-Tetrahydrocannabinol Acid (Δ^9-THC-A)	28.5%
Δ^9-Tetrahydrocannabinol (Δ^9-THC)	0.63%
Cannabidiol Acid (CBD-A)	<0.10%
Cannabidiol (CBD)	<0.10%
Cannabigerol Acid (CBG-A)	0.52%
Cannabigerol (CBG)	<0.10%
Cannabinol (CBN)	<0.10%
Cannabichromene (CBC)	<0.10%
Tetrahhydrocannabivarin (THCV)	<0.10%
Cannabidivarin (CBDV)	<0.10%

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (w/w)
α-Pinene	0.24%
β-Pinene	0.11%
β-Myrcene	0.63%
Limonene	<0.10%
Ocimene	0.12%
Linalool	<0.10%
β-Caryophyllene	<0.10%
Humulene	<0.10%

Results Approved by: Jose A. Zavaleta, Lab Director

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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

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