

Customer Name: CT Pharmaceutical Solutions

Customer Address: 47 Lower Main St.

Portland, CT 06480

Phone Number: 860-740-4340

Results issued on: 12/26/2019 COA No.: 89122619-E

Client Lot Number	Sample ID	Tests Conducted
SP0059	8036-9	Quality Control Analysis
	8036-10	
	8036-10	Active Ingredient Analysis
	8036-10	Terpene Analysis

Quality Control Results

<u>Analysis</u>	<u>Test Conducted</u>	<u>Specification</u>	<u>Results (Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count	< 200 CFU/g	Passed
	Total Yeast and Mold Count	< 20 CFU/g	Passed
	<i>E.coli</i>	Not Present	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	%W/W	%W/V (d = 0.920 g/mL)
Tetrahydrocannabinol Acid (THC-A)	<0.10%	<0.10
Tetrahydrocannabinol (THC)	2.64%	2.43
Cannabidiol Acid (CBD-A)	<0.10%	<0.10
Cannabidiol (CBD)	2.86%	2.63
Cannabigerol Acid (CBG-A)	<0.10%	<0.10
Cannabigerol (CBG)	<0.10%	<0.10
Cannabinol (CBN)	<0.10%	<0.10
Cannabichromene (CBC)	<0.10%	<0.10
Tetrahydrocannabivarin (THCV)	<0.10%	<0.10
Cannabidivarin (CBDV)	<0.10%	<0.10

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	%W/W
α -Pinene	<0.10%
β -Pinene	<0.10%
β -Myrcene	<0.10%
Limonene	<0.10%
Ocimene	<0.10%
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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