

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-C

Client Lot Number	Sample ID	Tests Conducted
PD0042	8036-6	Quality Control Analysis
	8036-7	
	8040-2	Active Ingredient Analysis
	8036-7	Terpene Analysis
	8024-7	Water Activity

Quality Control Results

<u>Analysis</u>	<u>Test Conducted</u>	<u>Specification</u>	<u>Results</u> <u>(Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count	< 200 CFU/g	Passed
	Total Yeast and Mold Count	< 20 CFU/g	Passed
	Bile-tolerant Gram-negative Bacteria/ <i>Escherichia 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	Percent by weight (w/w)	mg per gram
Tetrahydrocannabinol Acid (THC-A)	<0.10%	0.01
Tetrahydrocannabinol (THC)	<0.10%	0.31
Cannabidiol Acid (CBD-A)	<0.10%	<0.01
Cannabidiol (CBD)	<0.10%	0.02
Cannabigerol Acid (CBG-A)	<0.10%	0.01
Cannabigerol (CBG)	<0.10%	0.02
Cannabinol (CBN)	<0.10%	<0.01
Cannabichromene (CBC)	<0.10%	<0.01
Tetrahydrocannabivarin (THCV)	<0.10%	0.01
Cannabidivarin (CBDV)	<0.10%	<0.01

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (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%

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Water Activity and pH

Water Activity (Aw)	pH
0.32	6.65



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

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