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

Customer Name: CT Pharmaceutical Solutions
Customer Address: 47 Lower Main St.
Portland, CT 06480
Phone Number: 860-740-4340

Results issued on: 12/4/2019 COA No.: 89120419-B

Client Lot Number	Sample ID	Tests Conducted
GTH080119	8033-3 8033-4	Quality Control Analysis
	8033-4	Active Ingredient Analysis
	8033-4	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)
Tetrahydrocannabinol Acid (THC-A)	29.2%
Tetrahydrocannabinol (THC)	0.24%
Cannabidiol Acid (CBD-A)	<0.10%
Cannabidiol (CBD)	<0.10%
Cannabigerol Acid (CBG-A)	2.66%
Cannabigerol (CBG)	0.32%
Cannabinol (CBN)	<0.10%
Cannabichromene (CBC)	<0.10%
Tetrahhydrocannabivarin (THCV)	<0.10%
Cannabidivarin (CBDV)	<0.10%

Moister Content (% w/w)
7.84%

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	0.18%
Limonene	<0.10%
Ocimene	<0.10%
Linalool	<0.10%
β-Caryophyllene	<0.10%
Humulene	<0.10%
Terpinolene	0.40%



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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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