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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: 10/12/2019 COA No.: 89101219-C

Client Lot Number	Sample ID	Tests Conducted
SP0054	8022-16 8022-17	Quality Control Analysis
	8032-8	Active Ingredient Analysis
	8022-17	Terpene Analysis

Quality Control Results

Analysis	Test Conducted	Specification	Results (Pass/Fail)
Microbiology	Total Aerobic Microbial Count	< 200 CFU/g	Passed
	Total Yeast and Mold Count	< 20 CFU/g	Passed
	E.coli	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 = 0.937 g/mL)
Tetrahydrocannabinol Acid (THC-A)	<0.10%	<0.10
Tetrahydrocannabinol (THC)	5.21%	4.88
Cannabidiol Acid (CBD-A)	<0.10%	<0.10
Cannabidiol (CBD)	<0.10%	<0.10
Cannabigerol Acid (CBG-A)	<0.10%	<0.10
Cannabigerol (CBG)	0.12%	0.11
Cannabinol (CBN)	<0.10%	<0.10
Cannabichromene (CBC)	<0.10%	<0.10
Tetrahhydrocannabivarin (THCV)	<0.10%	<0.10
Cannabidivarin (CBDV)	<0.10%	<0.10

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%

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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Client Lot Number: SP0054