

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

Results issued on: 8/10/2020 COA No.: 84081020-E

Client Lot Number	Sample ID	Tests Conducted
MDZ-20-001	1595-1	Quality Control Analysis
	1601-11	
	1595-2	Active Ingredient Analysis
	1595-2	Terpene Analysis

Quality Control Results

<u>Test</u>	<u>Test Conducted</u>	<u>Specification</u>	<u>Results (Pass/Fail)</u>
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
	<i>E. coli</i> (pathogenic strains)	Not Detected in 1 gram	Passed
	<i>Salmonella</i>	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		Residues Detected
			ND

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Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Dry-weight percent (w/w)
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 -THC-A)	28.4%
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	0.40%
Cannabidiol Acid (CBD-A)	<0.10%
Cannabidiol (CBD)	<0.10%
Cannabigerol Acid (CBG-A)	0.64%
Cannabigerol (CBG)	<0.10%
Cannabinol (CBN)	<0.10%
Cannabichromene (CBC)	<0.10%
Tetrahydrocannabivarin (THCV)	<0.10%
Cannabidivarin (CBDV)	<0.10%

Dry-weight percent cannabinoid content = wet-weight percent cannabinoid / (1 – percent moisture / 100)

“Wet-weight” means the weight of the sample as it was collected from facility.

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	0.61%
Limonene	<0.10%
Ocimene	<0.10%
Linalool	0.10%
β -Caryophyllene	0.23%
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)
Avermectin (abamectin)	< 10
Acequinocyl	< 20
Bifenazate	< 100
Bifenthrin (synthetic pyrethroid)	< 50
Cyfluthrin (synthetic pyrethroid)	< 20
Etoxazole	< 10
Imazalil	< 100
Imidacloprid	< 50
Myclobutanil	< 20
Paclobutrazol	< 400
Pyrethrins (synthetic)	< 50
Spinosad	< 10
Spiromesifen	< 20
Spirotetramat	< 200
Trifloxystrobin	< 50

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