

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

Results issued on: 7/6/2022 COA No.: 84070622-E

Client Lot Number	Sample ID	Tests Conducted	Reference Method
MAC-22-001	1789-9	Quality Control Analysis	see table below
	1789-10		
	1789-10	Active Ingredient Analysis	ASL-SOP-300
	1789-10	Terpene Analysis	ASL-SOP-301

Quality Control Analysis and Results

<u>Test</u>	<u>Test Conducted</u>	<u>Reference Method</u>	<u>Specification</u>	<u>Results (Pass/Fail)</u>
Microbiology	Total Aerobic Microbial Count	USP <2023>	< 10 ⁵ CFU/g	Passed
	Total Yeast and Mold Count	USP <2023>	< 10 ⁵ CFU/g	Passed
	<i>STE.coli</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>E. coli</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Salmonella</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>L. monocytogenes</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus fumigatus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus flavus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus niger</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	<i>Aspergillus terreus</i>	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
Mycotoxins	Aflatoxin B1	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin B2	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin G1	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin G2	ASL-SOP-213	< 20 ug/Kg	Passed
	Ochratoxin A	ASL-SOP-213	< 20 ug/Kg	Passed
Heavy Metals	Arsenic - As	ASL-SOP-400	< 0.14 ug/Kg	Passed
	Cadmium - Cd	ASL-SOP-400	< 0.09 ug/Kg	Passed
	Mercury - Hg	ASL-SOP-400	< 0.29 ug/Kg	Passed
	Lead - Pb	ASL-SOP-400	< 0.29 ug/Kg	Passed

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Client Lot Number: MAC-22-001

Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Dry-weight percent (% w/w)
Cannabidivarin (CBDV)	<0.10
Cannabidiol Acid (CBD-A)	<0.10
Cannabigerol Acid (CBG-A)	0.52
Cannabigerol (CBG)	<0.10
Cannabidiol (CBD)	<0.10
Tetrahydrocannabivarin (THCV)	<0.10
Cannabinol (CBN)	<0.10
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	0.55
Cannabichromene (CBC)	0.11
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	29.1

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	0.29
β -Pinene	0.20
β -Myrcene	0.19
Limonene	0.41
Linalool	0.11
β -Caryophyllene	0.44
Humulene	0.13



Results Approved by
Jose A. Zavaleta, Lab Director

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Client Lot Number: **MAC-22-001**