

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

Results issued on: 8/16/2022 COA No.: 84081622-D

Client Lot Number	Sample ID	Tests Conducted	Reference Method
SPEN22-014	1802-3 1802-4	Quality Control Analysis	see table below
	1802-4	Active Ingredient Analysis	ASL-SOP-300
	1802-4	Terpene Analysis	ASL-SOP-301

Quality Control Analysis and Results

Test	Test Conducted	Reference Method	Specification	Results (Pass/Fail)
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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Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (% w/w)	mg per 1-mL	mg per 0.1 mL	350 mg (THC + THCA)	200 mg (THC + THCA)
Cannabidivarin (CBDV)	<0.01	<0.01	<0.01	<0.01	<0.01
Cannabidiol Acid (CBD-A)	<0.01	<0.01	<0.01	<0.01	<0.01
Cannabigerol Acid (CBG-A)	0.18	1.87	0.18	0.75	0.43
Cannabigerol (CBG)	1.46	15.2	1.52	6.12	3.50
Cannabidiol (CBD)	0.44	4.58	0.45	1.84	1.05
Tetrahydrocannabivarin (THCV)	0.73	7.59	0.75	3.06	1.75
Cannabinol (CBN)	3.45	35.9	3.59	14.5	8.26
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	82.2	855	85.5	344	197
Cannabichromene (CBC)	1.51	15.7	1.57	6.33	3.62
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	1.33	13.8	1.38	5.57	3.18
Total	91.3	950	95.0	383	219
Total weight of sample	-----	-----	-----	0.419 g	0.239 g
Density = 1.04 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
β -Myrcene	0.82
Limonene	1.03
α -Bisabolol	0.37
Linalool	0.59
β -Caryophyllene	1.51
Humulene	0.55
Guaiol	0.12



Results Approved by
Jose A. Zavaleta, Lab Director

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