

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-G

Client Lot Number	Sample ID	Tests Conducted	Reference Method
SPEN22-011	1789-13	Quality Control Analysis	see table below
	1789-14		
	1789-14	Active Ingredient Analysis	ASL-SOP-300
	1789-14	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)	0.19	1.86	0.19	0.79	0.45
Cannabigerol (CBG)	1.12	11.0	1.10	4.63	2.65
Cannabidiol (CBD)	0.36	3.53	0.35	1.49	0.85
Tetrahydrocannabivarin (THCV)	0.61	5.98	0.60	2.52	1.44
Cannabinol (CBN)	2.70	26.5	2.65	11.2	6.38
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	82.5	809	80.9	341	195
Cannabichromene (CBC)	1.34	13.1	1.31	5.54	3.17
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	2.14	21.0	2.10	8.85	5.06
Total	91.0	891	89.1	376	215
Total weight of sample	-----	-----	-----	0.414 g	0.236 g
Density = 0.98 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
β -Pinene	0.35
β -Myrcene	0.84
Limonene	0.56
Linalool	0.46
β -Caryophyllene	1.44
Guaiol	0.27
α -Bisabolol	0.33



Results Approved by
Jose A. Zavaleta, Lab Director

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