

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

Results issued on: 8/3/2022 COA No.: 84080322-D

Client Lot Number	Sample ID	Tests Conducted	Reference Method
IPEN22-014	1798-7 1798-8	Quality Control Analysis	see table below
	1798-8	Active Ingredient Analysis	ASL-SOP-300
	1798-8	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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Client Lot Number: IPEN22-014

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)	0.18	1.78	0.17	0.74	0.43
Cannabigerol Acid (CBG-A)	<0.01	<0.01	<0.01	<0.01	<0.01
Cannabigerol (CBG)	2.17	21.5	2.15	8.97	5.13
Cannabidiol (CBD)	0.57	5.64	0.56	2.36	1.35
Tetrahydrocannabivarin (THCV)	1.02	10.1	1.01	4.22	2.41
Cannabinol (CBN)	2.00	19.8	1.98	8.27	4.72
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	84.5	837	83.7	349	200
Cannabichromene (CBC)	0.89	8.81	0.88	3.68	2.10
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	0.16	1.58	0.15	0.66	0.38
Total	91.5	906	90.6	378	216
Total weight of sample	-----	-----	-----	0.413 g	0.236 g
Density = 0.99 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
α -Pinene	0.39
β -Myrcene	0.10
Limonene	1.95
Linalool	0.60
β -Caryophyllene	1.05
Humulene	0.62
Guaiol	0.12



Results Approved by
Jose A. Zavaleta, Lab Director

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