

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

Results issued on: 8/22/2022 COA No.: 84082222-D

Client Lot Number	Sample ID	Tests Conducted	Reference Method
HPEN22-014	1804-3 1804-4	Quality Control Analysis	see table below
	1804-4	Active Ingredient Analysis	ASL-SOP-300
	1804-4	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

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: HPEN22-014

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)	<0.01	<0.01	<0.01	<0.01	<0.01
Cannabigerol Acid (CBG-A)	0.21	2.18	0.21	0.87	0.50
Cannabigerol (CBG)	1.84	19.1	1.91	7.64	4.37
Cannabidiol (CBD)	0.47	4.89	0.48	1.95	1.12
Tetrahydrocannabivarin (THCV)	0.85	8.84	0.88	3.53	2.02
Cannabinol (CBN)	3.20	33.3	3.33	13.3	7.59
Δ^9 -Tetrahydrocannabinol (Δ^9 -THC)	83.8	871	87.1	348	199
Cannabichromene (CBC)	1.39	14.5	1.45	5.77	3.30
Δ^9 -Tetrahydrocannabinol Acid (Δ^9 THC-A)	0.48	4.99	0.49	1.99	1.14
Total	92.2	959	95.9	383	219
Total weight of sample	-----	-----	-----	0.415 g	0.237 g
Density = 1.04 g/mL					

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
α -Pinene	0.50
β -Myrcene	0.74
Limonene	0.44
Linalool	0.56
β -Caryophyllene	2.22
Humulene	0.71
α -Bisabolol	0.38



Results Approved by
Jose A. Zavaleta, Lab Director

©2017 AltaSci, LLC All rights reserved. Sample(s) tested were collected at the Customer's production facility from lot(s) as designated by the Customer. All results contained in this Certificate of Analysis, CoA, only reflect the "status" of the sample(s) tested. AltaSci, LLC does not guarantee that the "status" of the sampled lot(s) will not change due to any processing by the Customer following the testing by AltaSci, LLC

Client Lot Number: **HPEN22-014**