

**Report To:**

Theraplant LLC

Attn: Dan Emmans

856 Echo Lake Road

Watertown, CT 06795

Laboratory Report#: **T010721-03**Report Date: **01/15/2021**E-Mail: dan@theraplant.com

Sample Site:	THERAPLANT • 856 ECHO LAKE RD, WATERTOWN CT
Product Description:	HPEN 20 – 019

Microbiological Parameters	Result	Units	Pass/Fail	Recommended Limits
Total Aerobic Microbial Count	<100	per gram	PASS	100,000
Total Yeast & Mold Count	<100	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	<100	per gram	PASS	1,000
Coliform	<100	per gram	PASS	1,000
Enteropathogenic E.coli	Not Detected	per gram	PASS	Not Detected
Salmonella species	Not Detected	per gram	PASS	Not Detected

Heavy Metals:	Result	Units		Limits
Arsenic, Total	<0.0005	µg/kg BW/day	PASS	<0.14
Cadmium, Total	<0.007	µg/kg BW/day	PASS	<0.09
Lead, Total	<0.25	µg/kg BW/day	PASS	<0.29
Mercury, Total	<0.005	µg/kg BW/day	PASS	<0.29

Mycotoxins:	Result	Units		Limits
Aflatoxin B1	<5	µg/kg	PASS	5
Aflatoxin B2	<5	µg/kg	PASS	5
Aflatoxin G1	<5	µg/kg	PASS	5
Aflatoxin G2	<5	µg/kg	PASS	5
Ochratoxin-A	<5	µg/kg	PASS	5

Pesticides:	
Bifenazate	PASS
Bifenthrin	PASS
Cyfluthrin	PASS
Etoxazole	PASS
Imazalil	PASS
Imidacloprid	PASS
Myclobutanil	PASS
Pyrethrum	PASS
Spiromesifen	PASS
Trifloxystrobin	PASS

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TERPENES by GC/MS
(% Dry Weight)

	Result	Units
b-pinene	0.73	%
b-myrcene	0.52	%
limonene	1.96	%
b-caryophyllene	3.37	%
guaiaol	0.60	%
a-bisabolol	0.77	%

CANNABINOIDS by HPLC
(% Dry weight)

	Result	Units
CBDV	<0.10	% weight
CBDA	<0.10	% weight
CBGA	<0.10	% weight
CBG	1.56	% weight
CBD	<0.10	% weight
THCV	<0.10	% weight
CBN	1.86	% weight
THC	77.53	% weight
CBC	1.35	% weight
THCA	0.85	% weight
TOTAL CANNABINOIDS =	83.15	% weight

Density	1.00	g/cm ³
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Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 01/07/2021 (2183018-03).

Reviewed & Released by:

Michelle Szylobryt, QA / QC

Date: 01/15/2021

Approved By:

Alan C. Johnson, Laboratory Director



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Sample Site:	THERAPLANT • 856 ECHO LAKE RD, WATERTOWN CT
Product Description:	HPEN 20 – 019

CANNABINOIDS	% by Weight	1 mL serving	0.1 mL serving	350mg (THC + THCA)	200mg (THC +THCA)
CBDV	<0.10	<0.10	<0.10	<0.10	<0.10
CBDA	<0.10	<0.10	<0.10	<0.10	<0.10
CBGA	<0.10	<0.10	<0.10	<0.10	<0.10
CBG	1.56	15.62	1.56	6.98	3.99
CBD	<0.10	<0.10	<0.10	<0.10	<0.10
THCV	<0.10	<0.10	<0.10	<0.10	<0.10
CBN	1.86	18.62	1.86	8.32	4.75
THC	77.53	775.26	77.53	346.21	197.83
CBC	1.35	13.47	1.35	6.02	3.44
THCA	0.85	8.48	0.85	3.79	2.17
Total Cannabinoids (mg)	----	831.46	83.15	371.31	212.18
Total Weight of Sample (g)	----	----	----	0.447	0.255
Total Cannabinoids (%)	83.15	----	----	----	----

Comments:

- Results are based on a sample submitted to Northeast Laboratories, Inc. on: 01/07/2021 (2183018-03).