

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 03/02/2023
Report Date: 03/30/2023
NELabs Report ID: 2389645-09

Product ID: HPEN22-022

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	<100	100,000	AOAC 990.12
Total Yeast & Mold Count	<100	100,000	AOAC 2014.05
<i>Aspergillus (flavus, fumigatus, terreus, niger)</i>	Not Detected	Not Detected	qPCR
Enteropathogenic <i>E. coli</i>	Not Detected	Not Detected	AOAC 2017.01
<i>Listeria Monocytogenes</i>	Not Detected	Not Detected	AOAC 2016.08
<i>Salmonella</i> species	Not Detected	Not Detected	AOAC 2016.01
Shiga Toxin Producing <i>E. coli</i>	Not Detected	Not Detected	FDA BAM
Pass/Fail: PASS			

Cannabinoids by HPLC	Results (% w/w)
CBDV	----
CBDA	0.53
CBGA	0.14
CBG	1.53
CBD	1.36
THCV	1.65
CBN	2.07
Δ^9 THC	74.23
CBL	----
CBC	----
THCA	----
Total Cannabinoids	81.51 %
Total THC: 74.23 %	

Density	Results (g/cm ³)
Sample Mass	0.99

Residual Solvent by GC-MS	Results (% w/w)
Ethanol	0.20

Terpenes by GC-MS	Results (% w/w)
α -Pinene	0.14
Camphene	0.02
β -Myrcene	0.41
β -Pinene	0.18
3-Carene	0.07
α -Terpinene	0.04
Limonene	0.86
Ocimene	1.19
p-Cymene	----
γ -Terpinene	0.06
Terpinolene	1.12
Linalool	0.30
(-)-Isopulegol	----
Geraniol	----
β -Caryophyllene	1.23
α -Humulene	0.40
cis-Nerolidol	0.30
trans-Nerolidol	0.03
Guaiol	0.05
α -Bisabolol	0.01
Total Terpenes: 6.41 %	



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Pesticides by LC-MS/MS	Results	Limits
Per Sample $\geq$ 0.5g	Not Detected	Below Action Levels
Pass/Fail: PASS		

Heavy Metals by ICP-MS	Results	Limits
As, Cd, Pb, Hg	Below Detection	Below Action Levels
Pass/Fail: PASS		

Mycotoxins by LC-MS/MS	Results ($\mu\text{g/kg}$)	Limits ($\mu\text{g/kg}$)
Aflatoxins (B1, B2, G1, G2)	<20 each	<20 each
Ochratoxin-A	<20	<20
Pass/Fail: PASS		

Ingredient Testing by FTIR	Results ($\mu\text{g/kg}$)	Limits ($\mu\text{g/kg}$)
Vitamin E Acetate	Not Detected	Absent
Medium Chain Triglycerides	Not Detected	Absent
Squalene	Not Detected	Absent
Squalane	Not Detected	Absent
Polyethylene Glycol	Not Detected	Absent
Pass/Fail: PASS		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 03/02/2023.
CoAs issued 03/09/2023 and 03/10/2023; re-issued 03/30/2023 to append Supplemental Attachment at the request of the client.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
03/30/2023	Michelle Szylobryt, QA / QC	Zachary Cannone, Laboratory Director

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISOILAC-IAF Communiqué dated April 2017).



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Cannabinoids	% w/w	mg/1 mL serving	mg/0.1 mL serving	mg/300 mg	mg/500 mg	mg/1,000 mg
CBDV	----	----	----	----	----	----
CBDA	0.53	5.25	0.52	1.59	2.65	5.30
CBGA	0.14	1.39	0.14	0.42	0.70	1.40
CBG	1.53	15.15	1.51	4.59	7.65	15.30
CBD	1.36	13.46	1.35	4.08	6.80	13.60
THCV	1.65	16.34	1.63	4.95	8.25	16.50
CBN	2.07	20.49	2.05	6.21	10.35	20.70
Δ^9 THC	74.23	734.88	73.49	222.69	371.15	742.30
CBL	----	----	----	----	----	----
CBC	----	----	----	----	----	----
THCA	----	----	----	----	----	----
Total Cannabinoids	81.51	806.95	80.69	244.53	407.55	815.10

Most Prevalent Terpenes	Results (% w/w)
Limonene	0.86
Ocimene	1.19
Terpinolene	1.12
β -Caryophyllene	1.23

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