

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 04/13/2023
Report Date: 04/21/2023
NELabs Report ID: 2390003-04

Product ID: HPEN23-004

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	----
CBGA	----
CBG	1.56
CBD	----
THCV	1.61
CBN	4.06
Δ^9 THC	78.07
CBL	----
CBC	----
THCA	----
Total Cannabinoids	85.30 %
Total THC: 78.07 %	

Density	Results (g/cm ³)
Sample Mass	1.00

Residual Solvent by GC-MS	Results (% w/w)
Ethanol	0.25

Terpenes by GC-MS	Results (% w/w)
α -Pinene	0.19
Camphene	0.02
β -Myrcene	0.46
β -Pinene	0.17
3-Carene	0.01
α -Terpinene	0.01
Limonene	0.94
Ocimene	1.60
p-Cymene	----
γ -Terpinene	0.01
Terpinolene	0.23
Linalool	0.24
(-)-Isopulegol	0.01
Geraniol	----
β -Caryophyllene	0.98
α -Humulene	0.32
cis-Nerolidol	0.18
trans-Nerolidol	----
Guaiol	----
α -Bisabolol	0.01
Total Terpenes: 5.38 %	



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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 04/13/2023.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
04/21/2023	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	----	----	----	----	----	----
CBGA	----	----	----	----	----	----
CBG	1.56	15.60	1.56	4.68	7.80	15.60
CBD	----	----	----	----	----	----
THCV	1.61	16.10	1.61	4.83	8.05	16.10
CBN	4.06	40.60	4.06	12.18	20.30	40.60
Δ^9 THC	78.07	780.70	78.07	234.21	390.35	780.70
CBL	----	----	----	----	----	----
CBC	----	----	----	----	----	----
THCA	----	----	----	----	----	----
Total Cannabinoids	85.30	853.00	85.30	255.90	426.50	853.00

Most Prevalent Terpenes	Results (% w/w)
β -Myrcene	0.46
Limonene	0.94
Ocimene	1.60
β -Caryophyllene	0.98

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