

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 09/07/2023
Report Date: 09/15/2023
NELabs Report ID: 2391256-04

Product ID: HPEN23-012

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	2.07
CBD	0.11
THCV	0.17
CBN	1.35
Δ^9 THC	81.57
CBL	----
CBC	----
THCA	0.29
Total Cannabinoids	85.56 %
Total THC: 81.82 %	

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

Density	Results (g/cm ³)
Sample Mass	0.99

Terpenes by GC-MS	Results (% w/w)
α -Pinene	0.03
Camphene	----
β -Myrcene	0.35
β -Pinene	0.04
3-Carene	0.01
α -Terpinene	----
Limonene	0.06
Ocimene	0.29
p-Cymene	----
γ -Terpinene	----
Terpinolene	0.35
Linalool	0.07
(-)-Isopulegol	----
Geraniol	----
β -Caryophyllene	0.92
α -Humulene	0.47
cis-Nerolidol	0.27
trans-Nerolidol	----
Guaiol	----
α -Bisabolol	----
Total Terpenes: 2.86 %	



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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 ($\mu g/kg$)	Limits ($\mu g/kg$)
Aflatoxins (B1, B2, G1, G2)	<20 each	<20 each
Ochratoxin-A	<20	<20
Pass/Fail: PASS		

Ingredient Testing by FTIR	Results ($\mu g/kg$)	Limits ($\mu g/kg$)
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 09/07/2023.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
09/15/2023	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 ISO/ILAC-IAF Communiqué dated April 2017).



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PJLA Testing ISO/IEC 17025:2017 Accreditation #: 99258



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Cannabinoids	% w/w	mg/250 mg	mg/300 mg	mg/500 mg	mg/1,000 mg
CBDV	----	----	----	----	----
CBD	----	----	----	----	----
CBDA	----	----	----	----	----
CBGA	----	----	----	----	----
CBG	2.07	5.18	6.21	10.35	20.70
CBD	0.11	0.28	0.33	0.55	1.10
THCV	0.17	0.43	0.51	0.85	1.70
CBN	1.35	3.38	4.05	6.75	13.50
Δ^9 THC	81.57	203.93	244.71	407.85	815.70
CBL	----	----	----	----	----
CBC	----	----	----	----	----
THCA	0.29	0.73	0.87	1.45	2.90

Most Prevalent Terpenes	Results (% w/w)
β -Myrcene	0.35
Terpinolene	0.35
β -Caryophyllene	0.92
α -Humulene	0.47

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