

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 12/14/2023
Report Date: 12/27/2023
NELabs Report ID: 2392171-13

Product ID: IPEN23-008T

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	1.50
CBD	0.06
THCV	<LOQ
CBN	1.48
Δ^9 THC	89.68
CBL	----
CBC	<LOQ
THCA	0.89
Total Cannabinoids	93.61 %
Total THC: 90.46 %	

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

Density	Results (g/cm ³)
Sample Mass	1.00

Terpenes by GC-MS	Results (% w/w)
α -Pinene	0.05
Camphene	----
β -Myrcene	1.23
β -Pinene	0.07
3-Carene	----
α -Terpinene	----
Limonene	0.50
Ocimene	0.79
p-Cymene	----
γ -Terpinene	0.01
Terpinolene	0.45
Linalool	0.17
(-)-Isopulegol	0.12
Geraniol	----
β -Caryophyllene	1.00
α -Humulene	0.31
cis-Nerolidol	----
trans-Nerolidol	----
Guaiol	----
α -Bisabolol	----
Total Terpenes: 4.70 %	



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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 12/14/2023.
CoA issued 12/22/2023; re-issued 12/27/2023 to update Cannabinoid results at the request of the client.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
12/27/23	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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Cannabinoids	% w/w	mg/350 mg	mg/500 mg	mg/800 mg	mg/1,000 mg
CBDV	----	----	----	----	----
CBDA	----	----	----	----	----
CBGA	----	----	----	----	----
CBG	1.50	5.25	7.50	12.00	15.00
CBD	0.06	0.21	0.30	0.48	0.60
THCV	<LOQ	<1.0	<1.0	<1.0	<1.0
CBN	1.48	5.18	7.40	11.84	14.80
Δ^9 THC	89.68	313.88	448.40	717.44	896.80
CBL	----	----	----	----	----
CBC	<LOQ	<1.0	<1.0	<1.0	<1.0
THCA	0.89	3.12	4.45	7.12	8.90

Most Prevalent Terpenes	Results (% w/w)
β -Myrcene	1.23
β -Caryophyllene	1.00
Ocimene	0.79
Limonene	0.50

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