

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 11/07/2023
Report Date: 11/14/2023
NELabs Report ID: 2391842-05

Product ID: IPEN-23-015-1

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	2.53
CBD	----
THCV	----
CBN	2.10
Δ^9 THC	82.40
Δ^8 THC	0.50
CBL	----
CBC	----
THCA	5.87
Total Cannabinoids	93.40 %
Total THC: 88.05 %	

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	0.07
Camphene	----
β -Myrcene	0.03
β -Pinene	0.05
3-Carene	----
α -Terpinene	----
Limonene	0.20
Ocimene	0.34
p-Cymene	----
γ -Terpinene	----
Terpinolene	0.02
Linalool	0.07
(-)-Isopulegol	----
Geraniol	----
β -Caryophyllene	0.22
α -Humulene	0.06
cis-Nerolidol	0.05
trans-Nerolidol	----
Guaiol	----
α -Bisabolol	----
Total Terpenes: 1.11 %	



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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 11/07/2023.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
11/14/2023	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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Cannabinoids	% w/w	1 mL serving	0.1 mL serving	mg/300 mg	mg/500 mg	mg/1,000 mg
CBDV	----	----	----	----	----	----
CBDA	----	----	----	----	----	----
CBGA	----	----	----	----	----	----
CBG	2.53	25.30	2.53	7.59	12.65	25.30
CBD	----	----	----	----	----	----
THCV	----	----	----	----	----	----
CBN	2.10	21.00	2.10	6.30	10.50	21.00
Δ^9 THC	82.40	824.00	82.40	247.20	412.00	824.00
Δ^8 THC	0.50	5.00	0.50	1.50	2.50	5.00
CBL	----	----	----	----	----	----
CBC	----	----	----	----	----	----
THCA	5.87	58.70	5.87	17.61	29.35	58.70

Most Prevalent Terpenes	Results (% w/w)
Limonene	0.20
Ocimene	0.34
β -Caryophyllene	0.22
Linalool	0.07

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