

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 03/23/2023
Report Date: 03/31/2023
NELabs Report ID: 2389837-07

Product ID: IPEN23-002

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	2.48
CBD	1.49
THCV	1.62
CBN	1.73
Δ^9 THC	78.67
CBL	----
CBC	----
THCA	----
Total Cannabinoids	85.99 %
Total THC: 78.67 %	

Density	Results (g/cm ³)
Sample Mass	0.99

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

Terpenes by GC-MS	Results (% w/w)
α -Pinene	0.17
Camphene	0.02
β -Myrcene	0.30
β -Pinene	0.14
3-Carene	0.02
α -Terpinene	0.01
Limonene	0.77
Ocimene	1.82
p-Cymene	----
γ -Terpinene	0.02
Terpinolene	0.43
Linalool	0.16
(-)-Isopulegol	0.01
Geraniol	----
β -Caryophyllene	0.84
α -Humulene	0.27
cis-Nerolidol	0.30
trans-Nerolidol	----
Guaiol	----
α -Bisabolol	0.03
Total Terpenes: 5.31 %	



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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 03/23/2023.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
03/31/2023	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/IEC 17025:2017 Accreditation #: 99258 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	2.48	24.55	2.46	7.44	12.40	24.80
CBD	1.49	14.75	1.48	4.47	7.45	14.90
THCV	1.62	16.04	1.60	4.86	8.10	16.20
CBN	1.73	17.13	1.71	5.19	8.65	17.30
Δ^9 THC	78.67	778.83	77.88	236.01	393.35	786.70
CBL	----	----	----	----	----	----
CBC	----	----	----	----	----	----
THCA	----	----	----	----	----	----
Total Cannabinoids	85.99	851.30	85.13	257.97	429.95	859.90

Most Prevalent Terpenes	Results (% w/w)
Limonene	0.77
Ocimene	1.82
Terpinolene	0.43
β -Caryophyllene	0.84

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