

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 04/13/2023
Report Date: 04/21/2023
NELabs Report ID: 2390003-02

Product ID: IPEN22-022

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	2.83
CBD	----
THCV	2.07
CBN	2.66
Δ^9 THC	83.08
CBL	----
CBC	----
THCA	----
Total Cannabinoids	90.64 %
Total THC: 83.08 %	

Density	Results (g/cm ³)
Sample Mass	1.00

Residual Solvent by GC-MS	Results (% w/w)
Ethanol	0.19

Terpenes by GC-MS	Results (% w/w)
α -Pinene	0.27
Camphene	0.02
β -Myrcene	0.47
β -Pinene	0.17
3-Carene	0.02
α -Terpinene	0.01
Limonene	0.84
Ocimene	2.30
p-Cymene	----
γ -Terpinene	0.01
Terpinolene	0.31
Linalool	0.19
(-)-Isopulegol	0.01
Geraniol	----
β -Caryophyllene	0.68
α -Humulene	0.24
cis-Nerolidol	0.13
trans-Nerolidol	----
Guaiol	0.04
α -Bisabolol	0.01
Total Terpenes: 5.72 %	



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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 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 ISO/ILAC-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	2.83	28.30	2.83	8.49	14.15	28.30
CBD	----	----	----	----	----	----
THCV	2.07	20.70	2.07	6.21	10.35	20.70
CBN	2.66	26.60	2.66	7.98	13.30	26.60
Δ^9 THC	83.08	830.80	83.08	249.24	415.40	830.80
CBL	----	----	----	----	----	----
CBC	----	----	----	----	----	----
THCA	----	----	----	----	----	----
Total Cannabinoids	90.64	906.40	90.64	271.92	453.20	906.40

Most Prevalent Terpenes	Results (% w/w)
β -Myrcene	0.47
Limonene	0.84
Ocimene	2.30
β -Caryophyllene	0.68

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