NORTHEAST LABORATORIES

CERTIFICATE OF ANALYSIS

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 03/21/2023
Report Date: 03/29/2023
NELabs Report ID: 2389810-03

Product ID: FCRU23-001

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
Aspergillus (flavus, fumigatus, terreus, niger)	Not Detected	Not Detected	qPCR
Enteropathogenic *E. coli*	Not Detected	Not Detected	AOAC 2017.01
Listeria Monocytogenes	Not Detected	Not Detected	AOAC 2016.08
Salmonella species	Not Detected	Not Detected	AOAC 2016.01
Shiga Toxin Producing *E. coli*	Not Detected	Not Detected	FDA BAM
Pass/Fail: **PASS**			

Cannabinoids by HPLC	Results (% w/w)
CBDV	----
CBDA	0.35
CBGA	2.19
CBG	0.64
CBD	30.56
THCV	----
CBN	----
Δ^9 THC	5.92
CBL	----
CBC	----
THCA	56.70
Total Cannabinoids	**96.36 %**
Total THC: 55.65 %	

Residual Solvent by GC-MS	Results (% w/w)
Ethanol	0.49

Terpenes by GC-MS	Results (% w/w)
α-Pinene	0.01
Camphene	----
β-Myrcene	0.03
β-Pinene	----
3-Carene	0.01
α-Terpinene	0.04
Limonene	0.06
Ocimene	0.15
p-Cymene	0.11
γ-Terpinene	0.07
Terpinolene	0.20
Linalool	0.04
(-)-Isopulegol	----
Geraniol	----
β-Caryophyllene	0.23
α-Humulene	0.13
cis-Nerolidol	0.17
trans-Nerolidol	----
Guaiol	----
α-Bisabolol	----
Total Terpenes: 1.25 %	

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Pesticides by LC-MS/MS	Results	Limits
Per Sample ≥ 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 (µg/kg)	Limits (µg/kg)
Aflatoxins (B1, B2, G1, G2)	<20 each	<20 each
Ochratoxin-A	<20	<20
Pass/Fail: **PASS**		

Ingredient Testing by FTIR	Results (µg/kg)	Limits (µg/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 03/21/2023.

Date:	Reviewed by:	Released by:
03/29/2023	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 ISOILAC-IAF Communiqué dated April 2017).

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Cannabinoids	% w/w	mg per 0.5 g	mg per 1.0 g
CBDV	----	----	----
CBDA	0.35	1.75	3.50
CBGA	2.19	10.95	21.90
CBG	0.64	3.20	6.40
CBD	30.56	152.80	305.60
THCV	----	----	----
CBN	----	----	----
Δ^9 THC	5.92	29.60	59.20
CBL	----	----	----
CBC	----	----	----
THCA	56.70	283.50	567.00
Total Cannabinoids	96.36	481.80	963.60

Most Prevalent Terpenes	Results (% w/w)
Ocimene	0.15
Terpinolene	0.20
β-Caryophyllene	0.23
cis-Nerolidol	0.17

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