NORTHEAST LABORATORIES

CERTIFICATE OF ANALYSIS

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 08/29/2023
Report Date: 09/18/2023
NELabs Report ID: 2391176-01

Product ID: SROC23-003

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	300	100,000	AOAC 990.12
Total Yeast & Mold Count	27,000	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	0.66
CBGA	0.85
CBG	0.96
CBD	0.05
THCV	0.56
CBN	1.31
Δ^9 THC	32.45
CBL	----
CBC	----
THCA	15.36
Total Cannabinoids	**52.20 %**
Total THC: 45.92 %	

Moisture	Results
Water Content (% w/w)	7.80
Water Activity (Aw)	0.52

Terpenes by GC-MS	Results (% w/w)
α-Pinene	0.05
Camphene	0.01
β-Myrcene	0.19
β-Pinene	0.05
3-Carene	----
α-Terpinene	----
Limonene	0.09
Ocimene	0.05
p-Cymene	----
γ-Terpinene	----
Terpinolene	0.06
Linalool	0.07
(-)-Isopulegol	----
Geraniol	----
β-Caryophyllene	0.25
α-Humulene	0.09
cis-Nerolidol	0.06
trans-Nerolidol	----
Guaiol	----
α-Bisabolol	----
Total Terpenes: 0.97 %	

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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**		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 08/29/2023.

Date:	Reviewed by:	Released by:
09/18/2023	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 1.0 gram	mg per 1.5 grams	mg per 2.0 grams
CBDV	----	----	----	----
CBDA	0.66	6.60	9.90	13.20
CBGA	0.85	8.50	12.75	17.00
CBG	0.96	9.60	14.40	19.20
CBD	0.05	0.50	0.75	1.00
THCV	0.56	5.60	8.40	11.20
CBN	1.31	13.10	19.65	26.20
Δ^9 THC	32.45	324.50	486.75	649.00
CBL	----	----	----	----
CBC	----	----	----	----
THCA	15.36	153.62	230.43	307.23

Most Prevalent Terpenes	Results (% w/w)
β-Myrcene	0.19
Limonene	0.09
β-Caryophyllene	0.25
α-Humulene	0.09

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