NORTHEAST LABORATORIES INC.

CERTIFICATE OF ANALYSIS

Theraplant LLC
856 Echo Lake Rd
Watertown, CT 06795

Date Received: 12/12/2024
Report Date: 12/19/2024
NELabs Report ID: 2495692-03

HPEN24-049T (0.5g)

Biotrack ID: HPEN24-049T 0267 4185 6249 8023

Microbiology	Results	Limits	Methods
Total Aerobic Microbial Count (cfu/g)	<100	100,000	AOAC 990.12
Total Yeast & Mold Count (cfu/g)	<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	qPCR
Pass/Fail	Pass		

By HPLC

Cannabinoids	Results (% w/w)	Dosing (mg/package)
CBDV		
CBDA		
CBGA		
CBG	1.79	9.0
CBD	<LOQ	<1.0
THCV	<LOQ	<1.0
CBN	0.96	4.8
Δ^9 THC	87.66	438.3
Δ^8 THC		
CBL	<LOQ	<1.0
THCA	2.23	11.2
CBC		
Total Cannabinoids	**92.64**	**463.2**
Total THC % (0.877*THCA)+THC	**89.62**	

By GC - MS

Terpenes	Results (% w/w)
α-Pinene	
β-Myrcene	0.21
β-Pinene	0.05
Limonene	0.42
α-Terpinolene	
Linalool	0.29
β-Caryophyllene	0.52
α-Humulene	0.21
Caryophyllene Oxide	
α-Bisabolol	
Total Terpenes	**1.70**

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Pesticides	Results	Limits	Methods
Per Sample ≥ 0.5 g	Below Action Limits	Below Action Limits	LC & GC - MS/MS
Pass/Fail	Pass		

Mycotoxins	Results (µg/kg)	Limits (µg/kg)	Methods
Aflatoxins (B1, B2, G1, G2)	Below Action Limits	< 20 each	LC - MS/MS
Ochratoxin-A	Below Action Limits	< 20	
Pass/Fail	Pass		

Heavy Metals	Results	Limits	Methods
As, Cd, Pb, Hg, Cr	Below Action Limits	Below Action Limits	ICP - MS
Pass/Fail	Pass		

Residual Solvents	Results	Limits	Methods
Solvent Panel	Below Action Limits	1000 ppm individual 5000 ppm total	GC - MS
Pass/Fail	Pass		

Ingredient Testing	Results	Limits	Methods
Restricted Ingredient Panel	Not Detected	Absent	FTIR
Pass/Fail	Pass		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 12/12/2024

DATE	Reviewed by	Released by
12/19/2024	Garrett Johnson, QA/QC	Zachary Cannone, Laboratory Director

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025: 2017.
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).
Not all results and/or analytes reported are obtained for ISO accredited testing methods.
Please refer to our ISO certificate for a full list of testing under our scope of accreditation.