

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 01/30/2024
Report Date: 02/09/2024
NELabs Report ID: 2492527-03

Product ID: MAC-24-F5H1B1

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	15,000	100,000	AOAC 990.12
Total Yeast & Mold Count	1,300	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 ^a)
CBDV	---
CBDA	<LOQ
CBGA	0.40
CBG	<LOQ
CBD	---
THCV	---
CBN	---
Δ ⁹ THC	0.58
CBL	---
CBC	<LOQ
THCA	22.40
Total Cannabinoids	23.38 %
Total THC: 20.22 %	

^a: percentages reported by dry weight

Moisture	Results
Water Content (% w/w)	15.1
Water Activity (Aw)	0.56

Terpenes by GC-MS	Results (% w/w ^a)
α-Pinene	0.08
Camphene	---
β-Myrcene	0.19
β-Pinene	0.08
3-Carene	---
α-Terpinene	---
Limonene	0.17
Ocimene	0.02
p-Cymene	---
γ-Terpinene	---
Terpinolene	---
Linalool	0.04
(-)-Isopulegol	---
Geraniol	---
β-Caryophyllene	0.27
α-Humulene	0.01
cis-Nerolidol	0.07
trans-Nerolidol	---
Guaiol	---
α-Bisabolol	---
Total Terpenes: 0.93 %	

^a: percentages reported by dry weight



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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		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 01/30/2024.
CoC received 01/30/2024 states Product ID as MAC-24-F5H1RD1; ID changed to
MAC-24-F5H1B1 at the request of the client.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
02/09/24	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).

