

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 08/22/2023
Report Date: 08/29/2023
NELabs Report ID: 2391105-01

Product ID: MAC-23-003

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	250	100,000	AOAC 990.12
Total Yeast & Mold Count	1,800	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	0.05
CBGA	0.61
CBG	0.05
CBD	----
THCV	----
CBN	----
Δ ⁹ THC	0.73
CBL	----
CBC	----
THCA	25.53
Total Cannabinoids	26.97 %
Total THC: 23.12 %	

^a: percentages reported by dry weight

Moisture	Results
Water Content (% w/w)	14.70
Water Activity (Aw)	0.58

Terpenes by GC-MS	Results (% w/w ^a)
α-Pinene	0.23
Camphene	0.02
β-Myrcene	0.35
β-Pinene	0.15
3-Carene	----
α-Terpinene	----
Limonene	0.16
Ocimene	0.09
p-Cymene	----
γ-Terpinene	----
Terpinolene	----
Linalool	0.08
(-)-Isopulegol	----
Geraniol	----
β-Caryophyllene	0.17
α-Humulene	0.07
cis-Nerolidol	0.02
trans-Nerolidol	----
Guaiol	----
α-Bisabolol	----
Total Terpenes: 1.34 %	

^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 08/22/2023.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
08/29/2023	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 ISO/ILAC-IAF Communiqué dated April 2017).

