

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 05/02/2023
Report Date: 05/11/2023
NELabs Report ID: 2390144-16

Product ID: PAK-22-002

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	1,400	100,000	AOAC 990.12
Total Yeast & Mold Count	1,500	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	0.06
CBGA	0.40
CBG	0.33
CBD	----
THCV	----
CBN	----
Δ ⁹ THC	0.43
CBL	----
CBC	----
THCA	16.89
Total Cannabinoids	18.11 %
Total THC: 15.24 %	

^a: percentages reported by dry weight

Moisture	Results
Water Content (% w/w)	12.10
Water Activity (Aw)	0.55

Terpenes by GC-MS	Results (% w/w ^a)
α-Pinene	0.01
Camphene	----
β-Myrcene	0.18
β-Pinene	0.01
3-Carene	----
α-Terpinene	----
Limonene	0.02
Ocimene	0.13
p-Cymene	----
γ-Terpinene	----
Terpinolene	----
Linalool	0.02
(-)-Isopulegol	----
Geraniol	----
β-Caryophyllene	0.07
α-Humulene	0.02
cis-Nerolidol	0.01
trans-Nerolidol	----
Guaiol	----
α-Bisabolol	----
Total Terpenes: 0.47 %	

^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 05/02/2023.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
05/11/2023	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).

