

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 11/09/2023
Report Date: 11/16/2023
NELabs Report ID: 2391867-11

Product ID: ISC-23-003

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	250	100,000	AOAC 990.12
Total Yeast & Mold Count	13,000	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	0.72
CBG	<LOQ
CBD	----
THCV	----
CBN	----
Δ^9 THC	0.45
CBL	----
CBC	----
THCA	31.68
Total Cannabinoids	32.85 %
Total THC: 28.23 %	

^a: percentages reported by dry weight

Moisture	Results
Water Content (% w/w)	15.0
Water Activity (Aw)	0.50

Terpenes by GC-MS	Results (% w/w ^a)
α -Pinene	0.02
Camphene	----
β -Myrcene	0.79
β -Pinene	0.04
3-Carene	----
α -Terpinene	----
Limonene	0.07
Ocimene	0.30
p-Cymene	----
γ -Terpinene	----
Terpinolene	----
Linalool	0.15
(-)-Isopulegol	----
Geraniol	----
β -Caryophyllene	0.09
α -Humulene	0.03
cis-Nerolidol	----
trans-Nerolidol	----
Guaiol	----
α -Bisabolol	----
Total Terpenes: 1.49 %	

^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 11/09/2023.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
11/16/2023	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).

