

Theraplant, LLC
856 Echo Lake Road
Watertown, CT 06795

Date Received: 04/13/2023
Report Date: 04/21/2023
NELabs Report ID: 2390003-01

Product ID: HBUD23-001

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	<100	100,000	AOAC 990.12
Total Yeast & Mold Count	<100	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)
CBDV	----
CBDA	0.61
CBGA	1.83
CBG	0.67
CBD	----
THCV	----
CBN	----
Δ^9 THC	9.62
CBL	----
CBC	----
THCA	85.15
Total Cannabinoids	97.88 %
Total THC: 84.30 %	

Residual Solvent by GC-MS	Results (% w/w)
Ethanol	<0.10

Terpenes by GC-MS	Results (% w/w)
α -Pinene	0.01
Camphene	----
β -Myrcene	0.01
β -Pinene	----
3-Carene	0.01
α -Terpinene	0.02
Limonene	0.03
Ocimene	0.07
p-Cymene	----
γ -Terpinene	0.06
Terpinolene	0.09
Linalool	0.06
(-)-Isopulegol	----
Geraniol	----
β -Caryophyllene	0.17
α -Humulene	0.05
cis-Nerolidol	0.08
trans-Nerolidol	----
Guaiol	----
α -Bisabolol	----
Total Terpenes: 0.66%	



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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		

Ingredient Testing by FTIR	Results ($\mu\text{g/kg}$)	Limits ($\mu\text{g/kg}$)
Vitamin E Acetate	Not Detected	Absent
Medium Chain Triglycerides	Not Detected	Absent
Squalene	Not Detected	Absent
Squalane	Not Detected	Absent
Polyethylene Glycol	Not Detected	Absent
Pass/Fail: PASS		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 04/13/2023.

Date:	Reviewed by: <i>Michelle Szylobryt</i>	Released by: <i>Zachary Cannone</i>
04/21/2023	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).



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Cannabinoids	% w/w	mg per 0.5 g	mg per 1.0 g	mg per 2.0 g
CBDV	----	----	----	----
CBDA	0.61	3.05	6.10	12.20
CBGA	1.83	9.15	18.30	36.60
CBG	0.67	3.35	6.70	13.40
CBD	----	----	----	----
THCV	----	----	----	----
CBN	----	----	----	----
Δ^9 THC	9.62	48.10	96.20	192.40
CBL	----	----	----	----
CBC	----	----	----	----
THCA	85.15	425.75	851.50	1,703.00
Total Cannabinoids	97.88	489.40	978.80	1,957.60

Most Prevalent Terpenes	Results (% w/w)
Ocimene	0.07
Terpinolene	0.09
β -Caryophyllene	0.17
cis-Nerolidol	0.08

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