

CTPharma
280 Dividend Dr.
Rocky Hill, CT 06067

Date Received: 11/15/2023
Report Date: 11/22/2023
NELabs Report ID: 2391921-01

Product ID: HE0049

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	----
CBGA	0.83
CBG	1.66
CBD	<LOQ
THCV	<LOQ
CBN	<LOQ
Δ^9 THC	86.62
Δ^8 THC	<LOQ
CBL	----
CBC	0.71
THCA	0.93
Total Cannabinoids	90.75 %
Total THC: 87.44 %	

Residual Solvent by GC-MS	Results (% w/w)
Butane	ND
Propane	ND

Terpenes by GC-MS	Results (% w/w)
α -Pinene	0.49
Camphene	0.11
β -Myrcene	0.77
β -Pinene	0.02
3-Carene	----
α -Terpinene	----
Limonene	0.93
Ocimene	0.14
p-Cymene	----
γ -Terpinene	0.01
Terpinolene	0.05
Linalool	0.34
(-)-Isopulegol	----
Geraniol	----
β -Caryophyllene	0.99
α -Humulene	0.35
cis-Nerolidol	0.04
trans-Nerolidol	----
Guaiol	----
α -Bisabolol	----
Total Terpenes: 4.24 %	



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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 11/15/2023.

Date:	Reviewed by: 	Released by: 
11/22/23	Garrett Johnson, 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).

