NORTHEAST LABORATORIES

CERTIFICATE OF ANALYSIS

CTPharma
280 Dividend Dr.
Rocky Hill, CT 06067

Date Received: 01/11/2024
Report Date: 01/22/2024
NELabs Report ID: 2492389-01

Product ID: HE0063

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
Aspergillus (flavus, fumigatus, terreus, niger)	Not Detected	Not Detected	qPCR
Enteropathogenic *E. coli*	Not Detected	Not Detected	AOAC 2017.01
Listeria Monocytogenes	Not Detected	Not Detected	AOAC 2016.08
Salmonella species	Not Detected	Not Detected	AOAC 2016.01
Shiga Toxin Producing *E. coli*	Not Detected	Not Detected	FDA BAM
Pass/Fail: **PASS**			

Cannabinoids by HPLC	Results (% w/w)
CBDV	
CBDA	<LOQ
CBGA	1.78
CBG	<LOQ
CBD	
THCV	
CBN	
Δ^9 THC	1.23
Δ^8 THC	
CBL	<LOQ
CBC	
THCA	93.03
Total Cannabinoids	**96.04%**
Total THC: 82.82%	

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

Terpenes by GC-MS	Results (% w/w)
α-Pinene	0.05
Camphene	0.02
β-Myrcene	1.28
β-Pinene	0.04
3-Carene	
α-Terpinene	
Limonene	0.27
Ocimene	0.01
p-Cymene	
γ-Terpinene	
Terpinolene	0.02
Linalool	0.97
(-)-Isopulegol	
Geraniol	
β-Caryophyllene	0.88
α-Humulene	0.36
cis-Nerolidol	0.25
trans-Nerolidol	
Guaiol	
α-Bisabolol	
Total Terpenes: 4.15 %	

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Pesticides by LC-MS/MS	**Results**	**Limits**
Per Sample ≥ 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 (µg/kg)**	**Limits (µg/kg)**
Aflatoxins (B1, B2, G1, G2)	<20 each	<20 each
Ochratoxin-A	<20	<20
Pass/Fail: **PASS**		

Ingredient Testing by FTIR	**Results (µg/kg)**	**Limits (µg/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 01/11/2024.

Date:	Reviewed by:	Released by:
01/22/2024	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 ISOILAC-IAF Communiqué dated April 2017).