NORTHEAST LABORATORIES

CERTIFICATE OF ANALYSIS

CTPharma
280 Dividend Dr.
Rocky Hill, CT 06067

Date Received: 04/03/2023
Report Date: 04/19/2023
NELabs Report ID: 2389919-01

Product ID: MBC120622

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[a])
CBDV	----
CBDA	0.28
CBGA	1.52
CBG	0.20
CBD	----
THCV	----
CBN	----
Δ^9 THC	0.44
CBL	----
CBC	----
THCA	36.26
Total Cannabinoids	**38.70 %**
Total THC: 32.24 %	

[a]: percentages reported by dry weight

Moisture	Results
Water Content (% w/w)	19.40
Water Activity (Aw)	0.59

Terpenes by GC-MS	Results (% w/w[a])
α-Pinene	0.03
Camphene	0.01
β-Myrcene	0.85
β-Pinene	0.07
3-Carene	----
α-Terpinene	----
Limonene	0.34
Ocimene	0.02
p-Cymene	----
γ-Terpinene	----
Terpinolene	0.01
Linalool	0.09
(-)-Isopulegol	----
Geraniol	0.01
β-Caryophyllene	1.04
α-Humulene	0.34
cis-Nerolidol	0.23
trans-Nerolidol	0.02
Guaiol	----
α-Bisabolol	0.01
Total Terpenes: 3.07 %	

[a]: percentages reported by dry weight

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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**		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 04/03/2023.

Date:	Reviewed by:	Released by:
04/19/2023	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 ISOILAC-IAF Communiqué dated April 2017).