CERTIFICATE OF ANALYSIS

CTPharma
280 Dividend Dr.
Rocky Hill, CT 06067

Date Received: 04/19/2024
Report Date: 04/26/2024
NELabs Report ID: 2493222-21

Product ID: NTL120423-1

Biotrack ID: 8892 5123 6759 5211

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	0.25
CBG	0.28
CBD	----
THCV	----
CBN	----
Δ^9 THC	0.58
Δ^8 THC	----
CBL	----
THCA	20.78
CBC	----
Total Cannabinoids: 21.89 %	
Total THC (0.877*THCA)+THC: 18.80 %	

[a]: percentages calculated on dry weight basis

Terpenes by GC-MS	Results (% w/w)
α-Pinene	0.07
β-Myrcene	0.22
β-Pinene	0.09
Limonene	0.46
α-Terpinolene	----
Linalool	0.13
β-Caryophyllene	0.93
α-Humulene	0.25
Caryophyllene Oxide	----
α-Bisabolol	0.08
Total Terpenes: 2.23 %	

[a]: percentages calculated on dry weight basis

Moisture	Results
Water Content (% w/w)	14.4
Water Activity (Aw)	0.43

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Pesticides by LC-MS/MS	**Results**	**Limits**
Per Sample ≥ 0.5g	Below Action Limits	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**		

Heavy Metals by ICP-MS	**Results**	**Limits**
As, Cd, Pb, Hg	Below Action Limits	Below Action Levels
Pass/Fail: **PASS**		

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 04/19/2024.

Date:	**Reviewed by:**	**Released by:**
04/26/2024	**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 ISOILAC-IAF Communiqué dated April 2017).