CERTIFICATE OF ANALYSIS

CTPharma
280 Dividend Dr.
Rocky Hill, CT 06067

Date Received: 02/26/2024
Report Date: 03/06/2024
NELabs Report ID: 2492742-13

Product ID: AUV0257

Product Type: Concentrate

Microbiology	Results (CFU)	Limits (CFU)	Methods
Total Aerobic Microbial Count	<100	100,000	AOAC 990.12
Total Yeast & Mold Count	<100	10,000	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	----
CBGA	----
CBG	2.91
CBD	<LOQ
THCV	<LOQ
CBN	<LOQ
Δ^9 THC	86.23
Δ^8 THC	----
CBL	----
THCA	----
CBC	<LOQ
Total Cannabinoids: 89.14 %	
Total THC (0.877*THCA+THC): 86.23 %	

[a]: percentages calculated on dry weight basis

Terpenes by GC-MS	Results (% w/w)
α-Pinene	0.14
β-Myrcene	0.66
β-Pinene	0.23
Limonene	2.27
α-Terpinolene	1.09
Linalool	0.37
β-Caryophyllene	1.71
α-Humulene	0.60
Caryophyllene Oxide	----
α-Bisabolol	0.10
Total Terpenes: 7.17 %	

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

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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**		

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 02/26/2024.

Date:	**Reviewed by:**	**Released by:**
03/06/24	**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).