CERTIFICATE OF ANALYSIS

Advanced Grow Labs
400 Frontage Rd.
West Haven, CT 06516

Date Received: 03/11/2024
Report Date: 03/19/2024
NELabs Report ID: 2492850-03

Product ID: GRG-240216-O-9812

Biotrack ID: 4365574053052474

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	<LOQ
CBG	1.74
CBD	<LOQ
THCV	<LOQ
CBN	1.04
Δ^9 THC	85.71
Δ^8 THC	----
CBL	----
THCA	0.68
CBC	1.01
Total Cannabinoids: 90.18 %	
Total THC (0.877*THCA+THC): 86.31 %	

Terpenes by GC-MS	Results (% w/w)
α-Pinene	0.12
β-Myrcene	1.31
β-Pinene	0.22
Limonene	2.45
α-Terpinolene	0.07
Linalool	1.03
β-Caryophyllene	2.34
α-Humulene	0.96
Caryophyllene Oxide	----
α-Bisabolol	0.13
Total Terpenes: 8.63 %	

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 03/11/2024.

Date:	**Reviewed by:**	**Released by:**
03/19/2024	**Garrett Johnson**, QA/QC	**Zachary Cardone**, 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).

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Cannabinoids	% w/w	mg per 300 mg	mg per 500 mg	mg per 1000 mg	mg per 1040 mg
CBDV	----	----	----	----	----
CBDA	----	----	----	----	----
CBGA	<LOQ	<1.0	<1.0	<1.0	<1.0
CBG	1.74	5.22	8.70	17.40	18.10
CBD	<LOQ	<1.0	<1.0	<1.0	<1.0
THCV	<LOQ	<1.0	<1.0	<1.0	<1.0
CBN	1.04	3.12	5.20	10.40	10.82
Δ^9 THC	85.71	257.13	428.55	857.10	891.38
Δ^8 THC	----	----	----	----	----
CBL	----	----	----	----	----
THCA	0.68	2.04	3.40	6.80	7.07
CBC	1.01	3.03	5.05	10.10	10.50

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