NORTHEAST LABORATORIES

CERTIFICATE OF ANALYSIS

Curaleaf
34 Hopmeadow St.
Weatogue, CT 06089

Date Received: 04/24/2023
Report Date: 05/02/2023
NELabs Report ID: 2390081-01

Product ID: 230417D-KM

Product Type: Concentrate

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	----
CBGA	0.22
CBG	3.21
CBD	0.36
THCV	0.68
CBN	0.84
Δ^9 THC	90.76
CBL	----
CBC	----
THCA	----
Total Cannabinoids	**96.07 %**
Total THC: 90.76 %	

Residual Solvent by GC-MS	Results (% w/w)
Ethanol	<0.10

Terpenes by GC-MS	Results (% w/w)
α-Pinene	0.04
Camphene	0.01
β-Myrcene	0.08
β-Pinene	0.07
3-Carene	----
α-Terpinene	----
Limonene	0.39
Ocimene	0.07
p-Cymene	----
γ-Terpinene	----
Terpinolene	0.01
Linalool	0.19
(-)-Isopulegol	----
Geraniol	----
β-Caryophyllene	0.28
α-Humulene	0.09
cis-Nerolidol	0.04
trans-Nerolidol	----
Guaiol	----
α-Bisabolol	0.01
Total Terpenes: 1.28 %	

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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 04/24/2023.

Date:	Reviewed by:	Released by:
05/02/2023	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).

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Cannabinoids	% w/w	mg per 0.3 g	mg per 0.5 g	mg per 1.0 g
CBDV	----	----	----	----
CBDA	----	----	----	----
CBGA	0.22	0.66	1.10	2.20
CBG	3.21	9.63	16.05	32.10
CBD	0.36	1.08	1.80	3.60
THCV	0.68	2.04	3.40	6.80
CBN	0.84	2.52	4.20	8.40
THC	90.76	272.28	453.80	907.60
CBL	----	----	----	----
CBC	----	----	----	----
THCA	----	----	----	----

NOTE: Results are for sample(s) submitted to Northeast Laboratories Inc. on 04/24/2023.