



Certificate of Analysis
Compliance Test

Client Information:



Batch # 2301K
Batch Date: 2023-03-01
Extracted From: Hemp

Test Reg State: Colorado

Production Facility:
Production Date: 2023-03-01

Order # 30301-010001
Order Date: 2023-03-01
Sample # AAED851

Sampling Date: 2023-03-04
Lab Batch Date: 2023-03-04
Completion Date: 2023-03-13

Initial Gross Weight: 160.089 g
Net Weight: 59.589 g

Number of Units: 2
Net Weight per Unit: 29794.500 mg



Product Image

Potency
Tested

Heavy Metals
Passed

Staphylococcus Aureus
Passed

Potency 10

Specimen Weight: 118.510 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	100.000	5.40E-5	0.0015	4.1500	0.4150
CBC	100.000	1.80E-5	0.0015	0.1600	0.0160
Delta-9 THC	100.000	1.30E-5	0.0015	0.1600	0.0160
CBD-A	100.000	1.00E-5	0.0015	<LOQ	<LOQ
CBDV	100.000	6.50E-5	0.0015	<LOQ	<LOQ
CBG	100.000	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	100.000	8.00E-5	0.0015	<LOQ	<LOQ
CBN	100.000	1.40E-5	0.0015	<LOQ	<LOQ
THCA-A	100.000	3.20E-5	0.0015	<LOQ	<LOQ
THCV	100.000	7.00E-6	0.0015	<LOQ	<LOQ
Total Active CBD	100.000			123.650	0.415
Total Active THC	100.000			4.770	0.016

Potency Summary

Total Active THC 0.016% 4.770mg	Total Active CBD 0.415% 123.650mg
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids 0.016% 4.770mg	Total Cannabinoids 0.447% 133.180mg

Heavy Metals - CO

Specimen Weight: 250.090 mg

Passed
SOP13.048 (ICP-MS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	<LOQ	Lead (Pb)	0.58	100	500	<LOQ
Cadmium (Cd)	0.64	100	500	<LOQ	Mercury (Hg)	11.76	100	1500	<LOQ

Passed Staphylococcus Aureus
Specimen Weight: 255.300 mg

Analyte	Action Limit (cfu/g)	Result
Staphylococcus aureus	1	Absence

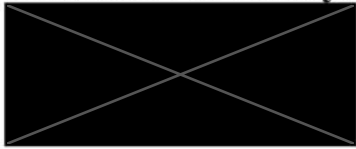
APPROVED: Richie Bryan QA/QC 3/15/2023

Aixa Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBGA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8-THC + Delta9-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP, (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, Passed - Analyte/microbe is non-detected or at the level below the action limit, Failed - Analyte/microbe is at the level that equal or above the action limit, *Measurement of Uncertainty = +/- 10%
This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.

Certificate of Analysis



Product: Pet Releaf 100mg Hibiscus
Manufacturer Lot: 2301K
Manufactured Date: February 2022

Item	Result	Spec.	Units	Method
Material State	Liquid	Liquid	NA	Organoleptic
Color	Pink	Dark Red to Pink	NA	Organoleptic
Smell	Fruity	Fruity	NA	Organoleptic
Taste	Fruity	Fruity	NA	Organoleptic
Potency Analyte				
Total Cannabidiol (CBD)	123.65	≥100	mg/30mL	HPLC
Total Cannabidiol (CBD)	4.12	≥3.3	mg/1mL	HPLC
Delta-9 THC (THC)	0.016	<0.3	%	HPLC
Organic Full Spectrum Hemp Extract (contains 3.3 mg CBD and naturally occurring terpenes and flavonoids)	19.38	≥6.7	mg/1mL	QBI
Heavy Metals				
Arsenic	<0.1	<1.5	ppm	ICP-MS
Cadmium	<0.1	<0.5	ppm	ICP-MS
Lead	<0.1	<0.5	ppm	ICP-MS
Mercury	<0.1	<1.5	ppm	ICP-MS
Complete Micro				
Total Plate Count	<100	<10 ⁴	CFU/g	TM-26
Coliforms	<10	<10 ²	CFU/g	TM-27
E. coli (STEC)	Absent	Absent	Per 25 grams	TM-25
Staph A.	Absent	<10	CFU/g	qPCR
Salmonella	Absent	Absent	Per 25 grams	TM-25
Yeast	<10	<10 ³	CFU/g	TM-24
Mold	<10	<10 ³	CFU/g	TM-24

*ND: None Detected

QC Approved: _____

Date: 03.13.2023



CERTIFICATE OF ANALYSIS

Prepared for:

Pet Releaf

8100 Southpark Way
Littleton, CO USA 80120

Pet Releaf Hibiscus 100

Batch ID or Lot Number: 2301K	Test: Microbial Contaminants	Reported: 09Mar2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000237329	Started: 02Mar2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 02Mar2023	Status: Active

Microbial

Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brett Hudson
09Mar2023
03:48:00 PM MST



Eden Thompson-Wright
09Mar2023
04:15:00 PM MST



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/d2933d1b-a1ea-4907-9025-281f274ba5f4>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert 04329.02

CDPHE Certified

d2933d1ba1ea49079025281f274ba5f4.1