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Formerly Botanacor Labs

Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf
8100 Southpark Way
Littleton, CO USA 80120

Pet Releaf Hibiscus 300

Batch ID or Lot Number:	Test:	Reported:	USDA License:
2301L	**Potency**	**20Mar2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Solution	T000238697	17Mar2023	N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 16Mar2023	Status: Active

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.067	0.201	0.423	0.41	Density = 1.03021g/mL
Cannabichromenic Acid (CBCA)	0.061	0.184	ND	ND	
Cannabidiol (CBD)	0.192	0.550	12.253	11.89	
Cannabidiolic Acid (CBDA)	0.196	0.564	ND	ND	
Cannabidivarin (CBDV)	0.045	0.130	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.082	0.235	ND	ND	
Cannabigerol (CBG)	0.038	0.114	ND	ND	
Cannabigerolic Acid (CBGA)	0.158	0.476	ND	ND	
Cannabinol (CBN)	0.049	0.149	ND	ND	
Cannabinolic Acid (CBNA)	0.108	0.325	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.188	0.567	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.171	0.515	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.152	0.457	ND	ND	
Tetrahydrocannabivarin (THCV)	0.034	0.104	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.134	0.403	ND	ND	
Total Cannabinoids			**12.676**	**12.30**	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			12.253	11.89	

APPROVED: Richie Bryan QA/QC 3/20/2023

Final Approval

Sam Smith
20Mar2023
10:03:00 AM MDT
PREPARED BY / DATE

Karen Winternheimer
20Mar2023
10:09:00 AM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/14dbb096-f975-4fb7-8058-81e168e6317d

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

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Prepared for:
Pet Releaf
8100 Southpark Way
Littleton, CO USA 80120

Ultra Releaf 300 Hibiscus

Batch ID or Lot Number:	Test:	Reported:	USDA License:
2301L	**Heavy Metals**	**05Apr2023**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit Co	T000240120	04Apr2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	30Mar2023	NA

Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.06	ND	
Cadmium	0.05 - 4.56	ND	
Mercury	0.04 - 4.27	ND	
Lead	0.05 - 4.52	ND	

Final Approval

Samantha Smith
Sam Smith
05Apr2023
03:03:00 PM MDT
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
05Apr2023
03:31:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/b17bc78f-f346-4e49-86e1-67f1ace18ac7

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Cert #4329.02

CDPHE Certified

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CERTIFICATE OF ANALYSIS

Prepared for:
Pet Releaf
8100 Southpark Way
Littleton, CO USA 80120

Pet Releaf Hibiscus 300

Batch ID or Lot Number: **2301L**	Test: **Microbial Contaminants**	Reported: **13Mar2023**	USDA License: N/A
Matrix: Finished Product	Test ID: T000238048	Started: 02Mar2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 09Mar2023	Status: Active

Microbial 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	$1.0x10^2$ - $1.5x10^4$	2.0x10^2 CFU/g	
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

Eden Thompson-Wright
13Mar2023
03:55:00 PM MDT
PREPARED BY / DATE

Brett Hudson
14Mar2023
06:04:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/2314d852-db42-495b-8b81-47487eb79426

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 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

Cert #4329.02

CDPHE Certified
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