SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
AD Forward Solutions
919 Haywood Rd Unit 111
Asheville, NC 28806

DYOR 11/05/2024

Batch ID or Lot Number:	Test:	Reported:	USDA License:
DYOR11052024	**Dry Weight Potency**	**24Nov2024**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Plant	T000293946	22Nov2024	NA
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD) \ TM21 (Karl Fischer)	20Nov2024	NA

Cannabinoids

	LOD (%)	LOQ (%)	Dry Weight Result (%)	MU Range (%)	Notes
Cannabichromene (CBC)	0.016	0.048	ND	ND	Dried Sample Moisture Content = 77.8% Measurement Uncertainty = 7.73% Results generated using a non-validated, non-compliant method. For informational purposes only.
Cannabichromenic Acid (CBCA)	0.015	0.044	0.154	0.142 - 0.166	
Cannabidiol (CBD)	0.039	0.140	0.200	0.185 - 0.215	
Cannabidiolic Acid (CBDA)	0.041	0.143	ND	ND	
Cannabidivarin (CBDV)	0.009	0.033	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.017	0.060	ND	ND	
Cannabigerol (CBG)	0.009	0.027	0.082	0.076 - 0.088	
Cannabigerolic Acid (CBGA)	0.038	0.113	0.760	0.701 - 0.819	
Cannabinol (CBN)	0.012	0.035	ND	ND	
Cannabinolic Acid (CBNA)	0.026	0.077	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.045	0.135	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.041	0.122	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.036	0.108	27.126	25.029 - 29.223	
Tetrahydrocannabivarin (THCV)	0.008	0.025	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.032	0.096	0.248	0.229 - 0.267	
Total Cannabinoids			**28.570**	**26.362 - 30.778**	
Total Potential THC			23.790	21.951 - 25.628	

Final Approval

Sam Smith
24Nov2024
06:53:00 AM MST

PREPARED BY / DATE

Karen Winternheimer
24Nov2024
06:54:00 AM MST

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/0a63e81f-a9c2-41d4-aed6-5b0f704e0154

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Percentage of Delta 9-THC on a dry weight basis = The percentage of Delta 9-THC by weight in cannabis item after excluding all moisture from the item. 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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or – the measurement uncertainty.

Cert #4329.02
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DYOR

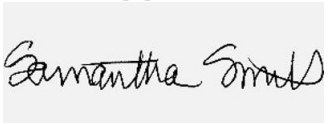
Batch ID or Lot Number:	Test:	Reported:	USDA License:
DYOR01022025	**Pesticides**	**18Jan2025**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Plant	T000296660	18Jan2025	NA
	Method(s):	Received:	Status:
	TM16 (LC-QQ LC MS/MS)	10Jan2025	NA

Pesticides

	Dynamic Range (ppb)	**Result** (ppb)
Abamectin	254 - 2789	ND
Acephate	25 - 2678	ND
Acetamiprid	39 - 2650	ND
Azoxystrobin	42 - 2766	ND
Bifenazate	257 - 2790	ND
Boscalid	312 - 2740	ND
Carbaryl	41 - 2753	ND
Carbofuran	42 - 2756	ND
Chlorantraniliprole	325 - 2722	ND
Chlorpyrifos	294 - 2678	ND
Clofentezine	280 - 2721	ND
Diazinon	281 - 2770	ND
Dichlorvos	332 - 2605	ND
Dimethoate	41 - 2638	ND
E-Fenpyroximate	289 - 2718	ND
Etofenprox	38 - 2739	ND
Etoxazole	39 - 2626	ND
Fenoxycarb	330 - 2709	ND
Fipronil	306 - 2640	ND
Flonicamid	40 - 2672	ND
Fludioxonil	345 - 2803	ND
Hexythiazox	282 - 2739	ND
Imazalil	40 - 2816	ND
Imidacloprid	39 - 2764	ND
Kresoxim-methyl	287 - 2824	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	325 - 2706	ND
Metalaxyl	278 - 2805	ND
Methiocarb	46 - 2759	ND
Methomyl	37 - 2716	ND
MGK 264 1	177 - 1596	ND
MGK 264 2	119 - 1080	ND
Myclobutanil	40 - 2784	ND
Naled	287 - 2665	ND
Oxamyl	38 - 2704	ND
Paclobutrazol	42 - 2754	ND
Permethrin	300 - 2756	ND
Phosmet	282 - 2692	ND
Prophos	329 - 2768	ND
Propoxur	40 - 2699	ND
Pyridaben	40 - 2751	ND
Spinosad A	31 - 2067	ND
Spinosad D	10 - 646	ND
Spiromesifen	32 - 2672	ND
Spirotetramat	289 - 2881	ND
Spiroxamine 1	19 - 1021	ND
Spiroxamine 2	26 - 1628	ND
Tebuconazole	292 - 2811	ND
Thiacloprid	43 - 2702	ND
Thiamethoxam	42 - 2699	ND
Trifloxystrobin	44 - 2707	ND

Final Approval



Sam Smith
18Jan2025
04:35:00 PM MST

PREPARED BY / DATE

Karen Winternheimer
18Jan2025
04:37:00 PM MST

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/5b3b2920-9369-4653-aa59-2fb851dc730b

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

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DYOR

Batch ID or Lot Number:	Test:	Reported:	USDA License:
DYOR01022025	**Heavy Metals**	**17Jan2025**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Plant Material	T000296662	17Jan2025	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	10Jan2025	NA

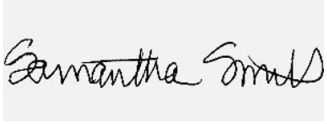
Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.15	ND	
Cadmium	0.04 - 3.99	ND	
Mercury	0.04 - 4.18	ND	
Lead	0.04 - 4.07	ND	

Final Approval

Judith Marquez
17Jan2025
12:40:00 PM MST

PREPARED BY / DATE



Sam Smith
17Jan2025
12:44:00 PM MST

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https://results.botanacor.com/api/v1/coas/uuid/18f86c11-fb70-4a03-82ad-e9804e30fcd0

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

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DYOR

Batch ID or Lot Number:	Test:	Reported:	USDA License:
DYOR01022025	**Microbial Contaminants**	**16Jan2025**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Plant	T000296661	13Jan2025	NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 10Jan2025	Status: NA

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	$1.0x10^2$ - $1.5x10^4$	<LLOQ	
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

Nora Langer
16Jan2025
02:55:00 PM MST
PREPARED BY / DATE

Brett Hudson
17Jan2025
06:16:00 PM MST
APPROVED BY / DATE

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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
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