SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
KMS AG CONSULTING
33972 Texas St
Albany, OR USA 97321

Dante's Inferno 10/28/2024

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 3
DI10282024	Various	Plant Material	
Reported:	**Started:**	**Received:**	
12Nov2024	11Nov2024	08Nov2024	

Heavy Metals

Test ID: T000293068
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.32	ND	
Cadmium	0.04 - 4.39	ND	
Mercury	0.05 - 4.67	ND	
Lead	0.05 - 4.82	ND	

Final Approval

Judith Marquez
12Nov2024
12:45:00 PM MST
PREPARED BY / DATE

Sam Smith
12Nov2024
02:36:00 PM MST
APPROVED BY / DATE

Cannabinoids

Test ID: T000293065
Methods: TM14 (HPLC-DAD) \ TM21 (Karl Fischer)

	LOD (%)	**LOQ** (%)	**Dry Weight Result** (%)	**MU Range** (%)	**Notes**
Cannabichromene (CBC)	0.021	0.064	ND	ND	Dried Sample Moisture Content = 77.17% Measurement Uncertainty = 7.73% Results generated using a non-validated, non-compliant method. For informational purposes only.
Cannabichromenic Acid (CBCA)	0.019	0.058	0.231	0.213 - 0.249	
Cannabidiol (CBD)	0.072	0.171	ND	ND	
Cannabidiolic Acid (CBDA)	0.074	0.176	ND	ND	
Cannabidivarin (CBDV)	0.017	0.040	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.031	0.073	ND	ND	
Cannabigerol (CBG)	0.012	0.036	0.078	0.072 - 0.084	
Cannabigerolic Acid (CBGA)	0.050	0.152	0.463	0.427 - 0.499	
Cannabinol (CBN)	0.016	0.047	ND	ND	
Cannabinolic Acid (CBNA)	0.034	0.104	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.060	0.181	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.054	0.164	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.048	0.145	26.600	24.544 - 28.656	
Tetrahydrocannabivarin (THCV)	0.011	0.033	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.042	0.128	ND	ND	
Total Cannabinoids			**27.372**	**25.237 - 29.507**	
Total Potential THC			23.328	21.525 - 25.131	

Final Approval

Judith Marquez
12Nov2024
09:40:00 AM MST
PREPARED BY / DATE

Karen Winternheimer
12Nov2024
12:55:00 PM MST
APPROVED BY / DATE

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Pesticides

Test ID: T000293066
Methods: TM16

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	124 - 1751	ND	Malathion	306 - 2641	ND
Acephate	42 - 2808	ND	Metalaxyl	290 - 2701	ND
Acetamiprid	43 - 2743	ND	Methiocarb	39 - 2758	ND
Azoxystrobin	80 - 2709	ND	Methomyl	44 - 2803	ND
Bifenazate	286 - 2688	ND	MGK 264 1	190 - 1582	ND
Boscalid	267 - 2671	ND	MGK 264 2	100 - 1099	ND
Carbaryl	42 - 2706	ND	Myclobutanil	45 - 2687	ND
Carbofuran	42 - 2699	ND	Naled	291 - 2678	ND
Chlorantraniliprole	252 - 2757	ND	Oxamyl	43 - 2807	ND
Chlorpyrifos	277 - 2745	ND	Paclobutrazol	43 - 2708	ND
Clofentezine	289 - 2737	ND	Permethrin	265 - 2805	ND
Diazinon	286 - 2700	ND	Phosmet	287 - 2573	ND
Dichlorvos	320 - 2667	ND	Prophos	256 - 2752	ND
Dimethoate	43 - 2757	ND	Propoxur	45 - 2700	ND
E-Fenpyroximate	300 - 2735	ND	Pyridaben	42 - 2775	ND
Etofenprox	44 - 2754	ND	Spinosad A	33 - 2079	ND
Etoxazole	42 - 2682	ND	Spinosad D	12 - 662	ND
Fenoxycarb	314 - 2657	ND	Spiromesifen	15 - 2750	ND
Fipronil	301 - 2729	ND	Spirotetramat	295 - 2719	ND
Flonicamid	53 - 2840	ND	Spiroxamine 1	17 - 1017	ND
Fludioxonil	304 - 2727	ND	Spiroxamine 2	22 - 1614	ND
Hexythiazox	294 - 2747	ND	Tebuconazole	302 - 2649	ND
Imazalil	39 - 2639	ND	Thiacloprid	43 - 2779	ND
Imidacloprid	40 - 2799	ND	Thiamethoxam	39 - 2795	ND
Kresoxim-methyl	288 - 2721	ND	Trifloxystrobin	44 - 2717	ND

Final Approval

Samantha Smith
Sam Smith
13Nov2024
11:39:00 AM MST
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
13Nov2024
11:40:00 AM MST
APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000293067
Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	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

Brett Hudson
15Nov2024
02:44:00 PM MST
PREPARED BY / DATE

Nora Langer
15Nov2024
02:52:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/1aa72e12-d7d4-4dd5-9166-842489e9b24e

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or – the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. 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.

Cert #4329.02
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