SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Mango Mentality

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 4
MM1010202	Various	Plant	
Reported:	**Started:**	**Received:**	
30Oct2024	27Oct2024	25Oct2024	

Cannabinoids

Test ID: T0002924

Methods: TM14 (HPLC-DAD)	**LOD** (%)	**LOQ** (%)	**Result** (%)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.017	0.065	ND	ND	
Cannabichromenic Acid (CBCA)	0.015	0.059	0.210	2.10	
Cannabidiol (CBD)	0.051	0.165	ND	ND	
Cannabidiolic Acid (CBDA)	0.052	0.169	ND	ND	
Cannabidivarin (CBDV)	0.012	0.039	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.022	0.071	ND	ND	
Cannabigerol (CBG)	0.010	0.037	0.060	0.60	
Cannabigerolic Acid (CBGA)	0.040	0.154	0.500	5.00	
Cannabinol (CBN)	0.013	0.048	ND	ND	
Cannabinolic Acid (CBNA)	0.027	0.105	<LOQ	<LOQ	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.048	0.183	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.043	0.167	0.270	2.70	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.039	0.148	23.930	239.30	
Tetrahydrocannabivarin (THCV)	0.009	0.033	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.034	0.130	0.180	1.80	
Total Cannabinoids			**25.150**	**251.50**	
Total Potential THC			21.257	212.57	
Total Potential CBD			ND	ND	

Final Approval

Samantha Smith
Sam Smith
30Oct2024
02:50:00 PM MDT
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
30Oct2024
02:50:00 PM MDT
APPROVED BY / DATE

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Microbial Contaminants

Test ID: T0002924
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	$1.0x10^2$ - $1.5x10^4$	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10^2 CFU/g	$1.0x10^3$ - $1.5x10^5$	<LLOQ	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	

Final Approval

Nora Langer
31Oct2024
03:35:00 PM MDT
PREPARED BY / DATE

Brett Hudson
31Oct2024
04:26:00 PM MDT
APPROVED BY / DATE

Heavy Metals

Test ID: T000292472
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	Notes
Arsenic	0.04 - 4.34	ND	
Cadmium	0.04 - 4.28	ND	
Mercury	0.05 - 4.52	ND	
Lead	0.05 - 4.74	ND	

Final Approval

Karen Winternheimer
01Nov2024
02:19:00 PM MDT
PREPARED BY / DATE

Sam Smith
01Nov2024
02:24:00 PM MDT
APPROVED BY / DATE

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Mango Mentality

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Pesticides

Test ID: T0002924
Methods: TM16

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	365 - 2608	ND
Acephate	20 - 2685	ND
Acetamiprid	42 - 2680	ND
Azoxystrobin	80 - 2721	ND
Bifenazate	300 - 2753	ND
Boscalid	286 - 2672	ND
Carbaryl	43 - 2700	ND
Carbofuran	44 - 2716	ND
Chlorantraniliprole	269 - 2681	ND
Chlorpyrifos	293 - 2722	ND
Clofentezine	281 - 2763	ND
Diazinon	289 - 2717	ND
Dichlorvos	154 - 2604	ND
Dimethoate	43 - 2712	ND
E-Fenpyroximate	291 - 2756	ND
Etofenprox	42 - 2755	ND
Etoxazole	41 - 2687	ND
Fenoxycarb	111 - 2656	ND
Fipronil	297 - 2700	ND
Flonicamid	51 - 2778	ND
Fludioxonil	282 - 2628	ND
Hexythiazox	290 - 2770	ND
Imazalil	36 - 2780	ND
Imidacloprid	44 - 2713	ND
Kresoxim-methyl	270 - 2821	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	318 - 2693	ND
Metalaxyl	284 - 2752	ND
Methiocarb	42 - 2661	ND
Methomyl	44 - 2744	ND
MGK 264 1	185 - 1590	ND
MGK 264 2	108 - 1092	ND
Myclobutanil	43 - 2617	ND
Naled	257 - 2685	ND
Oxamyl	44 - 2740	ND
Paclobutrazol	47 - 2691	ND
Permethrin	246 - 2761	ND
Phosmet	287 - 2621	ND
Prophos	278 - 2674	ND
Propoxur	41 - 2711	ND
Pyridaben	45 - 2791	ND
Spinosad A	33 - 2097	ND
Spinosad D	9 - 673	ND
Spiromesifen	49 - 2760	ND
Spirotetramat	296 - 2808	ND
Spiroxamine 1	18 - 1003	ND
Spiroxamine 2	24 - 1590	ND
Tebuconazole	304 - 2750	ND
Thiacloprid	46 - 2738	ND
Thiamethoxam	43 - 2711	ND
Trifloxystrobin	44 - 2740	ND

Final Approval

Samantha Smith
Sam Smith
06Nov2024
09:18:00 AM MST
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
06Nov2024
09:23:00 AM MST
APPROVED BY / DATE

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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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