SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
Crested River Cannabis Company

79 Vernon Ave
Morgan, MN USA 56266

MiniSoda Strawberry Guava

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 5
230606.2	Various	Unit	
Reported:	Started:	Received:	
13Jun2023	10Jun2023	09Jun2023	

Cannabinoids

Test ID: T000245903
Methods: TM14 (HPLC-DAD)

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.159	0.510	1.920	0.00	# of Servings = 1, Sample Weight=354g
Cannabichromenic Acid (CBCA)	0.145	0.466	ND	ND	
Cannabidiol (CBD)	0.438	1.339	<LOQ	<LOQ	
Cannabidiolic Acid (CBDA)	0.449	1.373	ND	ND	
Cannabidivarin (CBDV)	0.104	0.317	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.187	0.573	ND	ND	
Cannabigerol (CBG)	0.090	0.289	2.150	0.00	
Cannabigerolic Acid (CBGA)	0.377	1.210	ND	ND	
Cannabinol (CBN)	0.118	0.378	ND	ND	
Cannabinolic Acid (CBNA)	0.257	0.825	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.449	1.441	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.408	1.309	3.900	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.361	1.160	ND	ND	
Tetrahydrocannabivarin (THCV)	0.082	0.263	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.319	1.023	ND	ND	
Total Cannabinoids			**7.970**	**0.00**	
Total Potential THC			3.900	0.00	
Total Potential CBD			0.000	0.00	

Final Approval

Sam Smith
13Jun2023
12:06:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
13Jun2023
12:18:00 PM MDT
APPROVED BY / DATE

Heavy Metals

Test ID: T000245906
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.40	ND	
Cadmium	0.05 - 4.54	ND	
Mercury	0.05 - 4.70	ND	
Lead	0.05 - 4.91	ND	

Final Approval

Sam Smith
14Jun2023
09:46:00 AM MDT
PREPARED BY / DATE

Karen Winternheimer
14Jun2023
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Residual Solvents

Test ID: T000245907
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	92 - 1842	ND	
Butanes (Isobutane, n-Butane)	181 - 3611	ND	
Methanol	54 - 1071	ND	
Pentane	89 - 1780	ND	
Ethanol	93 - 1868	295	
Acetone	88 - 1758	ND	
Isopropyl Alcohol	93 - 1864	ND	
Hexane	5 - 107	ND	
Ethyl Acetate	89 - 1781	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	94 - 1877	ND	
Toluene	17 - 334	ND	
Xylenes (m,p,o-Xylenes)	125 - 2506	ND	

Final Approval

Sam Smith
14Jun2023
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Microbial Contaminants

Test ID: T000245905
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

Brianne Maillot
15Jun2023
02:38:00 PM MDT
PREPARED BY / DATE

Brett Hudson
15Jun2023
04:07:00 PM MDT
APPROVED BY / DATE

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Pesticides

Test ID: T000245904
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	324 - 2708	ND	Malathion	284 - 2734	ND
Acephate	42 - 2749	ND	Metalaxyl	40 - 2728	ND
Acetamiprid	42 - 2736	ND	Methiocarb	43 - 2696	ND
Azoxystrobin	42 - 2732	ND	Methomyl	40 - 2755	ND
Bifenazate	36 - 2734	ND	MGK 264 1	170 - 1682	ND
Boscalid	41 - 2633	ND	MGK 264 2	116 - 1089	ND
Carbaryl	42 - 2725	ND	Myclobutanil	49 - 2712	ND
Carbofuran	40 - 2721	ND	Naled	48 - 2769	ND
Chlorantraniliprole	43 - 2679	ND	Oxamyl	43 - 2761	ND
Chlorpyrifos	48 - 2707	ND	Paclobutrazol	43 - 2723	ND
Clofentezine	295 - 2728	ND	Permethrin	268 - 2709	ND
Diazinon	269 - 2743	ND	Phosmet	41 - 2716	ND
Dichlorvos	285 - 2773	ND	Prophos	294 - 2657	ND
Dimethoate	43 - 2725	ND	Propoxur	41 - 2732	ND
E-Fenpyroximate	288 - 2730	ND	Pyridaben	304 - 2699	ND
Etofenprox	42 - 2687	ND	Spinosad A	31 - 2094	ND
Etoxazole	312 - 2668	ND	Spinosad D	66 - 658	ND
Fenoxycarb	21 - 2754	ND	Spiromesifen	286 - 2701	ND
Fipronil	62 - 2678	ND	Spirotetramat	266 - 2795	ND
Flonicamid	40 - 2782	ND	Spiroxamine 1	15 - 1217	ND
Fludioxonil	283 - 2660	ND	Spiroxamine 2	26 - 1496	ND
Hexythiazox	42 - 2695	ND	Tebuconazole	261 - 2748	ND
Imazalil	269 - 2767	ND	Thiacloprid	43 - 2712	ND
Imidacloprid	44 - 2811	ND	Thiamethoxam	41 - 2774	ND
Kresoxim-methyl	21 - 2779	ND	Trifloxystrobin	42 - 2718	ND

Final Approval

Karen Winternheimer
16Jun2023
04:36:00 PM MDT
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Sam Smith
16Jun2023
04:38:00 PM MDT
APPROVED BY / DATE

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https://results.botanacor.com/api/v1/coas/uuid/223ebbc7-6230-425b-8bf1-bd53163198ce

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.

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