SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
SUPERIOR MOLECULAR LLC
4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Simply Crafted Blackberry 5:1 01/12/2024

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 5
SCBB.5:1.011224	Various	Finished Product	
Reported:	Started:	Received:	
18Jan2024	18Jan2024	17Jan2024	

Heavy Metals

Test ID: T000267902
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.51	ND	
Cadmium	0.05 - 4.59	ND	
Mercury	0.05 - 4.59	ND	
Lead	0.05 - 4.65	ND	

Final Approval

Sam Smith
18Jan2024
02:49:00 PM MST
PREPARED BY / DATE

Karen Winternheimer
18Jan2024
03:01:00 PM MST
APPROVED BY / DATE

Cannabinoids

Test ID: T000267899
Methods: TM14 (HPLC-DAD)

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.347	0.932	<LOQ	<LOQ	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.317	0.852	ND	ND	
Cannabidiol (CBD)	1.055	2.693	25.610	6.40	
Cannabidiolic Acid (CBDA)	1.082	2.762	ND	ND	
Cannabidivarin (CBDV)	0.250	0.637	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.452	1.152	ND	ND	
Cannabigerol (CBG)	0.197	0.529	1.150	0.30	
Cannabigerolic Acid (CBGA)	0.823	2.212	ND	ND	
Cannabinol (CBN)	0.257	0.690	ND	ND	
Cannabinolic Acid (CBNA)	0.561	1.509	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.980	2.635	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.890	2.393	4.850	1.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.789	2.120	ND	ND	
Tetrahydrocannabivarin (THCV)	0.179	0.481	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.696	1.870	ND	ND	
Total Cannabinoids			**31.610**	**7.90**	
Total Potential THC			4.850	1.20	
Total Potential CBD			25.610	6.40	

Final Approval

Karen Winternheimer
19Jan2024
01:29:00 PM MST
PREPARED BY / DATE

Sam Smith
19Jan2024
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APPROVED BY / DATE

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Residual Solvents

Test ID: T000267903
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	74 - 1478	ND	
Butanes (Isobutane, n-Butane)	164 - 3280	ND	
Methanol	61 - 1216	ND	
Pentane	84 - 1673	ND	
Ethanol	91 - 1819	ND	
Acetone	97 - 1938	ND	
Isopropyl Alcohol	95 - 1891	ND	
Hexane	6 - 125	ND	
Ethyl Acetate	103 - 2065	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	98 - 1951	ND	
Toluene	19 - 376	ND	
Xylenes (m,p,o-Xylenes)	132 - 2644	ND	

Final Approval

Samantha Smith
Sam Smith
22Jan2024
12:47:00 PM MST
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
22Jan2024
12:49:00 PM MST
APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000267901
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	$1.0x10^3$ - $1.5x10^5$	None Detected	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	

Final Approval

Brett Hudson
21Jan2024
01:02:00 PM MST
PREPARED BY / DATE

Eden Thompson-Wright
22Jan2024
10:18:00 AM MST
APPROVED BY / DATE

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Pesticides

Test ID: T000267900
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	278 - 2656	ND	Malathion	287 - 2674	ND
Acephate	43 - 2744	ND	Metalaxyl	42 - 2689	ND
Acetamiprid	44 - 2697	ND	Methiocarb	45 - 2718	ND
Azoxystrobin	45 - 2680	ND	Methomyl	43 - 2771	ND
Bifenazate	38 - 2657	ND	MGK 264 1	159 - 1614	ND
Boscalid	53 - 2709	ND	MGK 264 2	114 - 1090	ND
Carbaryl	41 - 2679	ND	Myclobutanil	64 - 2706	ND
Carbofuran	44 - 2697	ND	Naled	45 - 2654	ND
Chlorantraniliprole	55 - 2700	ND	Oxamyl	43 - 2759	ND
Chlorpyrifos	48 - 2745	ND	Paclobutrazol	45 - 2710	ND
Clofentezine	282 - 2696	ND	Permethrin	279 - 2735	ND
Diazinon	277 - 2699	ND	Phosmet	37 - 2583	ND
Dichlorvos	281 - 2763	ND	Prophos	279 - 2711	ND
Dimethoate	42 - 2722	ND	Propoxur	44 - 2704	ND
E-Fenpyroximate	244 - 2799	ND	Pyridaben	293 - 2727	ND
Etofenprox	44 - 2722	ND	Spinosad A	35 - 2081	ND
Etoxazole	281 - 2664	ND	Spinosad D	66 - 670	ND
Fenoxycarb	34 - 2690	ND	Spiromesifen	274 - 2709	ND
Fipronil	38 - 2737	ND	Spirotetramat	277 - 2760	ND
Flonicamid	49 - 2702	ND	Spiroxamine 1	17 - 1003	ND
Fludioxonil	285 - 2671	ND	Spiroxamine 2	24 - 1617	ND
Hexythiazox	43 - 2741	ND	Tebuconazole	279 - 2705	ND
Imazalil	276 - 2723	ND	Thiacloprid	44 - 2715	ND
Imidacloprid	43 - 2781	ND	Thiamethoxam	45 - 2748	ND
Kresoxim-methyl	43 - 2720	ND	Trifloxystrobin	46 - 2705	ND

Final Approval

Karen Winternheimer
25Jan2024
11:26:00 AM MST
PREPARED BY / DATE

Sam Smith
25Jan2024
11:27:00 AM MST
APPROVED BY / DATE

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https://results.botanacor.com/api/v1/coas/uuid/1a46670e-a82b-4a5f-b88b-04822b630254

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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