

Prepared for:
Oliphant Brewing LLC
350 Main St, Ste 2
Somerset, WI USA 54025

Extinct 043024

Batch ID or Lot Number: 043024	Test: Potency	Reported: 08May2024	USDA License: N/A
Matrix: Unit	Test ID: T000279411	Started: 07May2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 03May2024	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.141	0.494	ND	ND	# of Servings = 1, Sample Weight=378g
Cannabichromenic Acid (CBCA)	0.129	0.452	ND	ND	
Cannabidiol (CBD)	0.470	1.367	ND	ND	
Cannabidiolic Acid (CBDA)	0.482	1.402	ND	ND	
Cannabidivarin (CBDV)	0.111	0.323	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.201	0.585	ND	ND	
Cannabigerol (CBG)	0.080	0.281	ND	ND	
Cannabigerolic Acid (CBGA)	0.335	1.173	ND	ND	
Cannabinol (CBN)	0.104	0.366	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.228	0.800	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.399	1.398	1.910	0.00	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.362	1.269	25.550	0.10	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.321	1.125	ND	ND	
Tetrahydrocannabivarin (THCV)	0.073	0.255	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.283	0.992	ND	ND	
Total Cannabinoids			27.460	0.10	
Total Potential THC			25.550	0.10	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
08May2024
10:49:00 AM MDT

PREPARED BY / DATE



Sam Smith
08May2024
10:51:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/3c5b3e36-5936-496d-abf7-6048bba40b88>

Definitions

% = % (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)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

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Prepared for:
SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

WS Full Panel March-April (CBC, CBD, D9)

Batch ID or Lot Number: WS.FP.040824	Test: Heavy Metals	Reported: 16Apr2024	USDA License: NA
Matrix: Finished Product	Test ID: T000276978	Started: 16Apr2024	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 10Apr2024	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.94	ND	
Cadmium	0.05 - 4.64	ND	
Mercury	0.05 - 4.69	ND	
Lead	0.05 - 4.83	ND	

Final Approval



Phillip Travisano
16Apr2024
01:36:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
16Apr2024
03:53:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4e55b0aa-bac9-40e6-a83b-3db0357b8be3>

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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Prepared for:
SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

WS Full Panel March-April (CBC, CBD, D9)

Batch ID or Lot Number: WS.FP.040824	Test: Microbial Contaminants	Reported: 15Apr2024	USDA License: NA
Matrix: Concentrate	Test ID: T000276977	Started: 10Apr2024	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 10Apr2024	Status: NA

Microbial

Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	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
15Apr2024
04:35:00 PM MDT



Brianne Maillot
16Apr2024
06:13:00 PM MDT



PREPARED 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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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

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Prepared for:
SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

WS Full Panel March-April (CBC, CBD, D9)

Batch ID or Lot Number: WS.FP.040824	Test: Pesticides	Reported: 24Apr2024	USDA License: NA
Matrix: Concentrate	Test ID: T000278077	Started: 13Apr2024	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 19Apr2024	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	324 - 2730	ND	Malathion	312 - 2753	ND
Acephate	44 - 2772	ND	Metalaxyl	44 - 2747	ND
Acetamiprid	42 - 2701	ND	Methiocarb	45 - 2722	ND
Azoxystrobin	44 - 2758	ND	Methomyl	43 - 2755	ND
Bifenazate	45 - 2748	ND	MGK 264 1	171 - 1628	ND
Boscalid	42 - 2714	ND	MGK 264 2	115 - 1080	ND
Carbaryl	40 - 2735	ND	Myclobutanil	44 - 2722	ND
Carbofuran	42 - 2729	ND	Naled	42 - 2695	ND
Chlorantraniliprole	44 - 2726	ND	Oxamyl	43 - 2751	ND
Chlorpyrifos	48 - 2796	ND	Pacllobutrazol	45 - 2748	ND
Clofentezine	270 - 2794	ND	Permethrin	287 - 2854	ND
Diazinon	306 - 2749	ND	Phosmet	43 - 2616	ND
Dichlorvos	287 - 2725	ND	Prophos	295 - 2691	ND
Dimethoate	41 - 2699	ND	Propoxur	43 - 2744	ND
E-Fenpyroximate	283 - 2830	ND	Pyridaben	295 - 2795	ND
Etofenprox	42 - 2778	ND	Spinosad A	31 - 2108	ND
Etoxazole	291 - 2705	ND	Spinosad D	68 - 680	ND
Fenoxycarb	26 - 2883	ND	Spiromesifen	290 - 2782	ND
Fipronil	33 - 2804	ND	Spirotetramat	283 - 2841	ND
Flonicamid	46 - 2781	ND	Spiroxamine 1	17 - 1012	ND
Fludioxonil	287 - 2662	ND	Spiroxamine 2	25 - 1593	ND
Hexythiazox	40 - 2808	ND	Tebuconazole	310 - 2717	ND
Imazalil	284 - 2753	ND	Thiacloprid	43 - 2733	ND
Imidacloprid	47 - 2776	ND	Thiamethoxam	39 - 2776	ND
Kresoxim-methyl	42 - 2806	ND	Trifloxystrobin	45 - 2758	ND

Final Approval



Karen Winternheimer
24Apr2024
01:05:00 PM MDT

PREPARED BY / DATE



Phillip Travisano
24Apr2024
01:07:00 PM MDT

APPROVED BY / DATE



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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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Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY


WHITE BEAR LAKE, MN USA 55110

WS Full Panel March-April (CBC, CBD, D9)

Batch ID or Lot Number: WS.FP.040824	Test: Residual Solvents	Reported: 17Apr2024	USDA License: N/A
Matrix: Concentrate	Test ID: T000276979	Started: 15Apr2024	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 10Apr2024	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1945	ND	
Butanes (Isobutane, n-Butane)	177 - 3548	ND	
Methanol	68 - 1369	ND	
Pentane	102 - 2049	ND	
Ethanol	103 - 2058	ND	
Acetone	113 - 2258	ND	
Isopropyl Alcohol	110 - 2196	ND	
Hexane	7 - 144	ND	
Ethyl Acetate	115 - 2294	ND	
Benzene	0.2 - 4.6	ND	
Heptanes	110 - 2203	ND	
Toluene	19 - 385	ND	
Xylenes (m,p,o-Xylenes)	129 - 2586	ND	

Final Approval



Karen Winternheimer
16Apr2024
08:46:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
16Apr2024
08:48:00 AM MDT

APPROVED BY / DATE



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Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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