

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Chili Lime Pretzel

Batch ID or Lot Number: Chi.Pretz.032223	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 5
Reported: 27Mar2023	Started: 24Mar2023	Received: 23Mar2023	


Cannabinoids

Test ID: T000239559


Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.037	0.117	ND	ND	# of Servings = 1, Sample Weight=2g
Cannabichromenic Acid (CBCA)	0.034	0.107	ND	ND	
Cannabidiol (CBD)	0.097	0.300	ND	ND	
Cannabidiolic Acid (CBDA)	0.099	0.308	ND	ND	
Cannabidivarin (CBDV)	0.023	0.071	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.041	0.128	ND	ND	
Cannabigerol (CBG)	0.021	0.066	ND	ND	
Cannabigerolic Acid (CBGA)	0.089	0.277	ND	ND	
Cannabinol (CBN)	0.028	0.086	ND	ND	
Cannabinolic Acid (CBNA)	0.061	0.189	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.106	0.330	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.096	0.299	0.870	0.40	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.085	0.265	ND	ND	
Tetrahydrocannabivarin (THCV)	0.019	0.060	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.075	0.234	ND	ND	
Total Cannabinoids			0.870	0.40	
Total Potential THC			0.870	0.40	
Total Potential CBD			ND	ND	

Final Approval

 Sam Smith
27Mar2023
06:47:00 AM MDT

PREPARED BY / DATE

 Karen Winternheimer
27Mar2023
06:49:00 AM MDT

APPROVED BY / DATE

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Residual Solvents

Test ID: T000239562

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	99 - 1989	ND	
Butanes (Isobutane, n-Butane)	202 - 4046	ND	
Methanol	59 - 1187	ND	
Pentane	98 - 1966	ND	
Ethanol	98 - 1968	ND	
Acetone	96 - 1922	ND	
Isopropyl Alcohol	100 - 2001	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	98 - 1953	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	102 - 2047	ND	
Toluene	17 - 348	ND	
Xylenes (m,p,o-Xylenes)	125 - 2498	ND	

Final Approval


Sam Smith
28Mar2023
03:38:00 PM MDT
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Karen Winternheimer
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Prepared for:
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Mycotoxins


Test ID: T000239563


Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.84 - 127.88	ND	N/A
Aflatoxin B1	1.05 - 33.15	ND	
Aflatoxin B2	1.05 - 32.86	ND	
Aflatoxin G1	1.18 - 32.66	ND	
Aflatoxin G2	1.15 - 33.25	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Sam Smith
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Karen Winternheimer
29Mar2023
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Heavy Metals


Test ID: T000239561

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.58	ND	
Cadmium	0.05 - 4.54	ND	
Mercury	0.05 - 4.56	ND	
Lead	0.05 - 4.53	ND	

Final Approval


Sam Smith
29Mar2023
02:24:00 PM MDT
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Karen Winternheimer
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Pesticides


Test ID: T000239560

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	374 - 2672	ND		Malathion	279 - 2740	ND
Acephate	18 - 2844	ND		Metalaxyl	44 - 2755	ND
Acetamiprid	40 - 2758	ND		Methiocarb	40 - 2669	ND
Azoxystrobin	45 - 2727	ND		Methomyl	42 - 2802	ND
Bifenazate	41 - 2784	ND		MGK 264 1	175 - 1559	ND
Boscalid	66 - 2638	ND		MGK 264 2	119 - 1122	ND
Carbaryl	43 - 2727	ND		Myclobutanil	47 - 2696	ND
Carbofuran	42 - 2705	ND		Naled	50 - 2695	ND
Chlorantraniliprole	42 - 2649	ND		Oxamyl	44 - 2792	ND
Chlorpyrifos	55 - 2672	ND		Paclobutrazol	49 - 2706	ND
Clofentezine	293 - 2709	ND		Permethrin	261 - 2620	ND
Diazinon	289 - 2767	ND		Phosmet	40 - 2745	ND
Dichlorvos	274 - 2725	ND		Prophos	296 - 2692	ND
Dimethoate	40 - 2753	ND		Propoxur	40 - 2711	ND
E-Fenpyroximate	287 - 2726	ND		Pyridaben	311 - 2711	ND
Etofenprox	48 - 2703	ND		Spinosad A	34 - 2208	ND
Etoxazole	306 - 2700	ND		Spinosad D	54 - 492	ND
Fenoxycarb	43 - 2757	ND		Spiromesifen	284 - 2702	ND
Fipronil	39 - 2784	ND		Spirotetramat	276 - 2790	ND
Flonicamid	42 - 2787	ND		Spiroxamine 1	19 - 1142	ND
Fludioxonil	333 - 2624	ND		Spiroxamine 2	24 - 1509	ND
Hexythiazox	45 - 2742	ND		Tebuconazole	274 - 2734	ND
Imazalil	289 - 2748	ND		Thiacloprid	43 - 2751	ND
Imidacloprid	40 - 2751	ND		Thiamethoxam	44 - 2778	ND
Kresoxim-methyl	43 - 2817	ND		Trifloxystrobin	40 - 2722	ND

Final Approval


 Karen Winternheimer
 30Mar2023
 12:35:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 30Mar2023
 12:51:00 PM MDT
 APPROVED BY / DATE

Prepared for:

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<https://results.botanacor.com/api/v1/coas/uiid/a7edbce8-a6f0-461a-9736-bc4ae70e8633>

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

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 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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