

Prepared for:
SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110


Bent Paddle Berry Stash 5mg CBD 5mg D9


Batch ID or Lot Number: BRS.D9CBD.091223	Test: Potency	Reported: 14Sep2023	USDA License: N/A
Matrix: Unit	Test ID: T000255972	Started: 14Sep2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 13Sep2023	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.295	0.968	ND	ND	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.269	0.885	ND	ND	
Cannabidiol (CBD)	0.926	2.531	5.390	1.30	
Cannabidiolic Acid (CBDA)	0.950	2.596	ND	ND	
Cannabidivarin (CBDV)	0.219	0.599	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.396	1.083	ND	ND	
Cannabigerol (CBG)	0.167	0.549	0.640	0.20	
Cannabigerolic Acid (CBGA)	0.699	2.296	ND	ND	
Cannabinol (CBN)	0.218	0.717	ND	ND	
Cannabinolic Acid (CBNA)	0.477	1.567	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.833	2.736	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.756	2.485	5.500	1.40	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.670	2.201	ND	ND	
Tetrahydrocannabivarin (THCV)	0.152	0.500	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.591	1.942	ND	ND	
Total Cannabinoids			11.530	2.90	
Total Potential THC			5.500	1.40	
Total Potential CBD			5.390	1.30	

Final Approval


PREPARED BY / DATE
Sam Smith
14Sep2023
02:44:00 PM MDT


APPROVED BY / DATE
Karen Winternheimer
14Sep2023
02:50:00 PM MDT



<https://results.botanacor.com/api/v1/coas/uuid/94587688-73b4-47ba-9f5f-7bf593e5b968>

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 Accredited by A2LA.



Cert #4329.02
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SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Mixed Berry

Batch ID or Lot Number: MB.D9.081623	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 4
Reported: 07Sep2023	Started: 06Sep2023	Received: 06Sep2023	


Pesticides


Test ID: T000255389

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	419 - 2744	ND		Malathion	294 - 2709	ND
Acephate	44 - 2757	ND		Metalaxyl	42 - 2719	ND
Acetamiprid	41 - 2752	ND		Methiocarb	43 - 2687	ND
Azoxystrobin	48 - 2701	ND		Methomyl	41 - 2778	ND
Bifenazate	44 - 2732	ND		MGK 264 1	170 - 1674	ND
Boscalid	39 - 2669	ND		MGK 264 2	109 - 1077	ND
Carbaryl	42 - 2729	ND		Myclobutanil	41 - 2563	ND
Carbofuran	43 - 2709	ND		Naled	40 - 2752	ND
Chlorantranilprole	44 - 2684	ND		Oxamyl	41 - 2784	ND
Chlorpyrifos	44 - 2780	ND		Paclobutrazol	44 - 2727	ND
Clofentezine	279 - 2751	ND		Permethrin	274 - 2728	ND
Diazinon	288 - 2747	ND		Phosmet	44 - 2714	ND
Dichlorvos	276 - 2790	ND		Prophos	303 - 2652	ND
Dimethoate	42 - 2751	ND		Propoxur	44 - 2720	ND
E-Fenpyroximate	298 - 2805	ND		Pyridaben	299 - 2785	ND
Etofenprox	44 - 2754	ND		Spinosad A	31 - 2097	ND
Etoazole	306 - 2771	ND		Spinosad D	66 - 682	ND
Fenoxycarb	28 - 2741	ND		Spiromesifen	294 - 2758	ND
Fipronil	54 - 2679	ND		Spirotetramat	276 - 2734	ND
Flonicamid	46 - 2810	ND		Spiroxamine 1	18 - 1178	ND
Fludioxonil	275 - 2643	ND		Spiroxamine 2	23 - 1491	ND
Hexythiazox	43 - 2787	ND		Tebuconazole	291 - 2783	ND
Imazalil	282 - 2751	ND		Thiacloprid	42 - 2731	ND
Imidacloprid	42 - 2806	ND		Thiamethoxam	41 - 2792	ND
Kresoxim-methyl	46 - 2755	ND		Trifloxystrobin	44 - 2700	ND

Final Approval


 Karen Winternheimer
 07Sep2023
 09:17:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 07Sep2023
 09:19:00 AM MDT
 APPROVED BY / DATE

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Residual Solvents

Test ID: T000255392
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1886	ND	
Butanes (Isobutane, n-Butane)	190 - 3796	ND	
Methanol	60 - 1197	ND	
Pentane	96 - 1927	ND	
Ethanol	96 - 1912	ND	
Acetone	99 - 1979	ND	
Isopropyl Alcohol	98 - 1963	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	98 - 1967	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	97 - 1935	ND	
Toluene	17 - 346	ND	
Xylenes (m,p,o-Xylenes)	124 - 2474	ND	

Final Approval


Karen Winternheimer
08Sep2023
02:43:00 PM MDT
PREPARED BY / DATE


Sam Smith
08Sep2023
02:48:00 PM MDT
APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000255390

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
<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
10Sep2023
04:03:00 PM MDT



Eden Thompson-Wright
11Sep2023
04:20:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

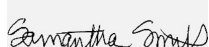
Heavy Metals

Test ID: T000255391

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.79	ND	
Cadmium	0.04 - 4.40	ND	
Mercury	0.04 - 4.23	ND	
Lead	0.04 - 4.27	ND	

Final Approval



Sam Smith
13Sep2023
07:41:00 AM MDT



Karen Winternheimer
13Sep2023
07:44:00 AM MDT

PREPARED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/f1630644-b9b2-4d78-ae4d-cff07cb95afc>

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.

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