

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY
WHITE BEAR LAKE, MN USA 55110

Sota Drops - CBD

Batch ID or Lot Number: SD.CBD.032823	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 3
Reported: 30Mar2023	Started: 30Mar2023	Received: 29Mar2023	

Residual Solvents

Test ID: T000240000

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	114 - 2277	ND	
Butanes (Isobutane, n-Butane)	233 - 4658	ND	
Methanol	69 - 1373	ND	
Pentane	114 - 2284	ND	
Ethanol	111 - 2219	ND	
Acetone	111 - 2215	ND	
Isopropyl Alcohol	114 - 2270	ND	
Hexane	7 - 133	ND	
Ethyl Acetate	112 - 2233	ND	
Benzene	0.2 - 4.6	ND	
Heptanes	113 - 2251	ND	
Toluene	20 - 392	ND	
Xylenes (m,p,o-Xylenes)	139 - 2782	ND	

Final Approval



Karen Winternheimer
30Mar2023
03:04:00 PM MDT

PREPARED BY / DATE



Sam Smith
30Mar2023
03:07:00 PM MDT

APPROVED BY / DATE

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Matrix:

Concentrate

Page 2 of 3

Reported:

30Mar2023

Started:

30Mar2023

Received:

29Mar2023

Pesticides

Test ID: T000239998

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)

Result (ppb)

Abamectin	374 - 2672	ND
Acephate	18 - 2844	ND
Acetamiprid	40 - 2758	ND
Azoxystrobin	45 - 2727	ND
Bifenazate	41 - 2784	ND
Boscalid	66 - 2638	ND
Carbaryl	43 - 2727	ND
Carbofuran	42 - 2705	ND
Chlorantraniliprole	42 - 2649	ND
Chlorpyrifos	55 - 2672	ND
Clofentezine	293 - 2709	ND
Diazinon	289 - 2767	ND
Dichlorvos	274 - 2725	ND
Dimethoate	40 - 2753	ND
E-Fenpyroximate	287 - 2726	ND
Etofenprox	48 - 2703	ND
Etoxazole	306 - 2700	ND
Fenoxycarb	43 - 2757	ND
Fipronil	39 - 2784	ND
Flonicamid	42 - 2787	ND
Fludioxonil	333 - 2624	ND
Hexythiazox	45 - 2742	ND
Imazalil	289 - 2748	ND
Imidacloprid	40 - 2751	ND
Kresoxim-methyl	43 - 2817	ND

Dynamic Range (ppb)

Result (ppb)

Malathion	279 - 2740	ND
Metaxyl	44 - 2755	ND
Methiocarb	40 - 2669	ND
Methomyl	42 - 2802	ND
MGK 264 1	175 - 1559	ND
MGK 264 2	119 - 1122	ND
Myclobutanil	47 - 2696	ND
Naled	50 - 2695	ND
Oxamyl	44 - 2792	ND
Paclobutrazol	49 - 2706	ND
Permethrin	261 - 2620	ND
Phosmet	40 - 2745	ND
Prophos	296 - 2692	ND
Propoxur	40 - 2711	ND
Pyridaben	311 - 2711	ND
Spinosad A	34 - 2208	ND
Spinosad D	54 - 492	ND
Spiromesifen	284 - 2702	ND
Spirotetramat	276 - 2790	ND
Spiroxamine 1	19 - 1142	ND
Spiroxamine 2	24 - 1509	ND
Tebuconazole	274 - 2734	ND
Thiacloprid	43 - 2751	ND
Thiamethoxam	44 - 2778	ND
Trifloxystrobin	40 - 2722	ND

Final Approval



Karen Winternheimer

30Mar2023

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Sam Smith

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Sota Drops - CBD

Batch ID or Lot Number:

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Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 3 of 3

Reported:

30Mar2023

Started:

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29Mar2023

Cannabinoids

Test ID: T000239997

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.670	2.071	<LOQ	<LOQ	# of Servings = 1, Sample Weight=3g
Cannabichromenic Acid (CBCA)	0.613	1.894	ND	ND	
Cannabidiol (CBD)	1.758	5.286	104.380	34.80	
Cannabidiolic Acid (CBDA)	1.803	5.422	ND	ND	
Cannabidivarin (CBDV)	0.416	1.250	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.752	2.262	ND	ND	
Cannabigerol (CBG)	0.380	1.176	ND	ND	
Cannabigerolic Acid (CBGA)	1.590	4.916	ND	ND	
Cannabinol (CBN)	0.496	1.534	ND	ND	
Cannabinolic Acid (CBNA)	1.085	3.354	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	1.894	5.856	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	1.720	5.319	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	1.524	4.712	ND	ND	
Tetrahydrocannabivarin (THCV)	0.346	1.070	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	1.344	4.157	ND	ND	
Total Cannabinoids			104.380	34.80	
Total Potential THC			ND	ND	
Total Potential CBD			104.380	34.80	

Final Approval

Karen Winternheimer

31Mar2023

08:08:00 AM MDT

PREPARED BY / DATE



Sam Smith

31Mar2023

08:11:00 AM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/f750c83a-c262-44ee-a9ea-6f33a8d57195>**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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4459 WHITE BEAR PKWY

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Sota Drops-CBD-CBN

Batch ID or Lot Number:

SD.CBD.CBN.032823

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 1 of 3

Reported:

30Mar2023

Started:

29Mar2023

Received:

29Mar2023

Pesticides

Test ID: T000239993

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)

Result (ppb)

Abamectin	374 - 2672	ND
Acephate	18 - 2844	ND
Acetamiprid	40 - 2758	ND
Azoxystrobin	45 - 2727	ND
Bifenazate	41 - 2784	ND
Boscalid	66 - 2638	ND
Carbaryl	43 - 2727	ND
Carbofuran	42 - 2705	ND
Chlorantraniliprole	42 - 2649	ND
Chlorpyrifos	55 - 2672	ND
Clofentezine	293 - 2709	ND
Diazinon	289 - 2767	ND
Dichlorvos	274 - 2725	ND
Dimethoate	40 - 2753	ND
E-Fenpyroximate	287 - 2726	ND
Etofenprox	48 - 2703	ND
Etoxazole	306 - 2700	ND
Fenoxycarb	43 - 2757	ND
Fipronil	39 - 2784	ND
Flonicamid	42 - 2787	ND
Fludioxonil	333 - 2624	ND
Hexythiazox	45 - 2742	ND
Imazalil	289 - 2748	ND
Imidacloprid	40 - 2751	ND
Kresoxim-methyl	43 - 2817	ND

Dynamic Range (ppb)

Result (ppb)

Malathion	279 - 2740	ND
Metalaxyl	44 - 2755	ND
Methiocarb	40 - 2669	ND
Methomyl	42 - 2802	ND
MGK 264 1	175 - 1559	ND
MGK 264 2	119 - 1122	ND
Myclobutanil	47 - 2696	ND
Naled	50 - 2695	ND
Oxamyl	44 - 2792	ND
Paclobutrazol	49 - 2706	ND
Permethrin	261 - 2620	ND
Phosmet	40 - 2745	ND
Prophos	296 - 2692	ND
Propoxur	40 - 2711	ND
Pyridaben	311 - 2711	ND
Spinosad A	34 - 2208	ND
Spinosad D	54 - 492	ND
Spiromesifen	284 - 2702	ND
Spirotetramat	276 - 2790	ND
Spiroxamine 1	19 - 1142	ND
Spiroxamine 2	24 - 1509	ND
Tebuconazole	274 - 2734	ND
Thiacloprid	43 - 2751	ND
Thiamethoxam	44 - 2778	ND
Trifloxystrobin	40 - 2722	ND

Final Approval

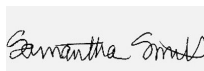


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Page 2 of 3

Reported:

30Mar2023

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Residual Solvents

Test ID: T000239995

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	115 - 2302	ND	
Butanes (Isobutane, n-Butane)	235 - 4708	ND	
Methanol	69 - 1388	ND	
Pentane	115 - 2309	ND	
Ethanol	112 - 2243	ND	
Acetone	112 - 2239	ND	
Isopropyl Alcohol	115 - 2295	ND	
Hexane	7 - 134	ND	
Ethyl Acetate	113 - 2257	ND	
Benzene	0.2 - 4.6	ND	
Heptanes	114 - 2275	ND	
Toluene	20 - 396	ND	
Xylenes (m,p,o-Xylenes)	141 - 2812	ND	

Final Approval



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Cannabinoids

Test ID: T000239992

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.669	2.067	ND	ND	# of Servings = 1, Sample Weight=3g
Cannabichromenic Acid (CBCA)	0.612	1.891	ND	ND	
Cannabidiol (CBD)	1.755	5.277	74.720	24.90	
Cannabidiolic Acid (CBDA)	1.800	5.412	ND	ND	
Cannabidivarin (CBDV)	0.415	1.248	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.751	2.258	ND	ND	
Cannabigerol (CBG)	0.380	1.174	ND	ND	
Cannabigerolic Acid (CBGA)	1.587	4.907	ND	ND	
Cannabinol (CBN)	0.495	1.531	113.280	37.80	
Cannabinolic Acid (CBNA)	1.083	3.348	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	1.891	5.846	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	1.717	5.309	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	1.521	4.704	ND	ND	
Tetrahydrocannabivarin (THCV)	0.345	1.068	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	1.342	4.149	ND	ND	
Total Cannabinoids			188.000	62.70	
Total Potential THC			ND	ND	
Total Potential CBD			74.720	24.90	

Final Approval



Karen Winternheimer
31Mar2023
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<https://results.botanacor.com/api/v1/coas/uuid/5ac89b6a-c66e-4a40-9a2d-0acacb276281>

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