

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Sota Drops-CBD-THC

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

Pesticides


Test ID: T000239988


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

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Residual Solvents


Test ID: T000239990

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	111 - 2217	ND	
Butanes (Isobutane, n-Butane)	227 - 4534	ND	
Methanol	67 - 1336	ND	
Pentane	111 - 2224	ND	
Ethanol	108 - 2160	ND	
Acetone	108 - 2156	ND	
Isopropyl Alcohol	110 - 2210	ND	
Hexane	6 - 129	ND	
Ethyl Acetate	109 - 2174	ND	
Benzene	0.2 - 4.5	ND	
Heptanes	110 - 2191	ND	
Toluene	19 - 381	ND	
Xylenes (m,p,o-Xylenes)	135 - 2708	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

Prepared for:

SUPERIOR MOLECULAR LLC

4459 WHITE BEAR PKWY

WHITE BEAR LAKE, MN USA 55110

Sota Drops-CBD-THC

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

Cannabinoids

Test ID: T000239987


Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.664	2.052	ND	ND	# of Servings = 1, Sample Weight=3g
Cannabichromenic Acid (CBCA)	0.607	1.877	ND	ND	
Cannabidiol (CBD)	1.742	5.237	39.890	13.30	
Cannabidiolic Acid (CBDA)	1.786	5.372	ND	ND	
Cannabidivarin (CBDV)	0.412	1.239	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.745	2.241	ND	ND	
Cannabigerol (CBG)	0.377	1.165	ND	ND	
Cannabigerolic Acid (CBGA)	1.575	4.870	ND	ND	
Cannabinol (CBN)	0.492	1.520	ND	ND	
Cannabinolic Acid (CBNA)	1.075	3.323	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	1.877	5.802	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	1.704	5.269	9.450	3.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	1.510	4.669	ND	ND	
Tetrahydrocannabivarin (THCV)	0.343	1.060	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	1.332	4.118	ND	ND	
Total Cannabinoids			49.340	16.50	
Total Potential THC			9.450	3.20	
Total Potential CBD			39.890	13.30	

Final Approval


Karen Winternheimer
31 Mar 2023
08:08:00 AM MDT

PREPARED BY / DATE


Sam Smith
31 Mar 2023
08:11:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/8de5cacf-ac2a-4d2e-9ff8-3cfc6180eb81>

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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