


CBD Broad Spectrum Distillate


Batch ID or Lot Number:	Test: Potency	Reported: 17Oct2023	USDA License: N/A
Matrix: Concentrate	Test ID:	Started: 16Oct2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 13Oct2023	Status: N/A

Cannabinoids

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.048	0.163	ND	ND	
Cannabichromenic Acid (CBCA)	0.044	0.149	ND	ND	
Cannabidiol (CBD)	0.144	0.429	87.880	878.80	
Cannabidiolic Acid (CBDA)	0.148	0.440	ND	ND	
Cannabidivarin (CBDV)	0.034	0.102	1.110	11.10	
Cannabidivarinic Acid (CBDVA)	0.062	0.184	ND	ND	
Cannabigerol (CBG)	0.027	0.093	3.600	36.00	
Cannabigerolic Acid (CBGA)	0.113	0.387	ND	ND	
Cannabinol (CBN)	0.035	0.121	0.140	1.40	
Cannabinolic Acid (CBNA)	0.077	0.264	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.135	0.461	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.123	0.419	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.109	0.371	ND	ND	
Tetrahydrocannabivarin (THCV)	0.025	0.084	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	0.096	0.327	ND	ND	
Total Cannabinoids			92.730	927.30	
Total Potential THC			ND	ND	
Total Potential CBD			87.880	878.80	

Final Approval


 Sam Smith
 17Oct2023
 12:07:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 17Oct2023
 12:09:00 PM MDT
 APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/9ce5abcf-7847-4105-a0cf-ee59c42b1162>

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
 9ce5abcf78474105a0cf-ee59c42b1162.1

CBD Broad Spectrum Distillate

Batch ID or Lot Number:	Test: Residual Solvents	Reported: 20Oct2023	USDA License: N/A
Matrix: Concentrate	Test ID:	Started: 18Oct2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 18Oct2023	Status: Active


Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	88 - 1762	ND	
Butanes (Isobutane, n-Butane)	174 - 3474	ND	
Methanol	60 - 1192	ND	
Pentane	85 - 1694	ND	
Ethanol	98 - 1958	ND	
Acetone	93 - 1858	ND	
Isopropyl Alcohol	108 - 2162	ND	
Hexane	6 - 112	ND	
Ethyl Acetate	97 - 1943	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	90 - 1798	ND	
Toluene	18 - 356	ND	
Xylenes (m,p,o-Xylenes)	133 - 2661	ND	

Final Approval



Karen Winternheimer
20Oct2023
09:50:00 AM MDT

PREPARED BY / DATE



Sam Smith
20Oct2023
10:01:00 AM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/25b656f0-b662-4552-ade6-6eda5c074891>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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
25b656f0b6624552ade66eda5c074891.1


CBD Broad Spectrum Distillate

Batch ID or Lot Number:	Test: Heavy Metals	Reported: 23Oct2023	USDA License: NA
Matrix: Concentrate	Test ID:	Started: 23Oct2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS); Heavy Metals	Received: 18Oct2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.39	ND	
Cadmium	0.04 - 4.47	ND	
Mercury	0.05 - 4.62	ND	
Lead	0.05 - 4.60	ND	

Final Approval


 Sam Smith
 23Oct2023
 01:08:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 23Oct2023
 01:11:00 PM MDT
 APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/f8f1f3b1-d60d-4968-8ce6-45ced014a5c6>

Definitions
 ND = None Detected (defined by dynamic range of the method)
 Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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
 f8f1f3b1d60d49688ce645ced014a5c6.1

CBD Broad Spectrum Distillate

Batch ID or Lot Number:	Test: Pesticides	Reported: 25Oct2023	USDA License: NA
Matrix: Concentrate	Test ID:	Started: 24Oct2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 18Oct2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	285 - 2621	ND	Malathion	290 - 2740	ND
Acephate	44 - 2875	ND	Metalaxyl	45 - 2686	ND
Acetamiprid	46 - 2783	ND	Methiocarb	43 - 2692	ND
Azoxystrobin	45 - 2697	ND	Methomyl	44 - 2849	ND
Bifenazate	40 - 2645	ND	MGK 264 1	177 - 1656	ND
Boscalid	37 - 2708	ND	MGK 264 2	116 - 1052	ND
Carbaryl	44 - 2656	ND	Myclobutanil	89 - 2626	ND
Carbofuran	47 - 2714	ND	Naled	48 - 2737	ND
Chlorantraniliprole	40 - 2711	ND	Oxamyl	43 - 2836	ND
Chlorpyrifos	41 - 2724	ND	Pacllobutrazol	47 - 2697	ND
Clofentezine	275 - 2716	ND	Permethrin	284 - 2728	ND
Diazinon	291 - 2673	ND	Phosmet	45 - 2670	ND
Dichlorvos	336 - 2722	ND	Prophos	306 - 2666	ND
Dimethoate	44 - 2763	ND	Propoxur	44 - 2699	ND
E-Fenpyroximate	278 - 2759	ND	Pyridaben	284 - 2750	ND
Etofenprox	45 - 2697	ND	Spinosad A	36 - 2032	ND
Etoxazole	278 - 2760	ND	Spinosad D	63 - 670	ND
Fenoxycarb	17 - 2699	ND	Spiromesifen	262 - 2730	ND
Fipronil	49 - 2700	ND	Spirotetramat	295 - 2684	ND
Flonicamid	48 - 2802	ND	Spiroxamine 1	18 - 1176	ND
Fludioxonil	294 - 2624	ND	Spiroxamine 2	24 - 1486	ND
Hexythiazox	39 - 2728	ND	Tebuconazole	300 - 2719	ND
Imazalil	267 - 2714	ND	Thiacloprid	44 - 2772	ND
Imidacloprid	45 - 2904	ND	Thiamethoxam	43 - 2849	ND
Kresoxim-methyl	45 - 2652	ND	Trifloxystrobin	45 - 2697	ND

Final Approval



Karen Winternheimer
25Oct2023
08:59:00 AM MDT

PREPARED BY / DATE



Sam Smith
25Oct2023
09:02:00 AM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/51a87f78-31a8-4061-bec7-c8c4453106aa>

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

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
51a87f7831a84061bec7c8c4453106aa.2