

Prepared for:

Sapphire Essentials

1975 E. Western Reserve Rd. #2

Poland, OH USA 44514

30ml - 1000mg - CBD Oil - Broad Spectrum-Tincture

Batch ID or Lot Number: SE21425-1000	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 6
Reported: 03Mar2025	Started: 28Feb2025	Received: 27Feb2025	

Microbial Contaminants

Test ID: T000299066

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



Nora Langer
03Mar2025
04:33:00 PM MST



Brett Hudson
04Mar2025
05:29:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE

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Cannabinoids

Test ID: T000299064

Methods: TM14 (HPLC-DAD): Potency - Broad

Spectrum Analysis, 0.01% THC

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.461	5.114	ND	ND	# of Servings = 1 Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.336	4.677	ND	ND	
Cannabidiol (CBD)	5.256	15.808	897.203	32.04	
Cannabidiolic Acid (CBDA)	5.391	16.214	ND	ND	
Cannabidivarin (CBDV)	1.243	3.739	6.568	0.23	
Cannabidivarinic Acid (CBDVA)	2.249	6.764	ND	ND	
Cannabigerol (CBG)	0.829	2.903	ND	ND	
Cannabigerolic Acid (CBGA)	3.467	12.137	ND	ND	
Cannabinol (CBN)	1.082	3.788	ND	ND	
Cannabinolic Acid (CBNA)	2.365	8.281	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.130	14.460	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.625	2.189	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.554	1.939	<LOQ	<LOQ	
Tetrahydrocannabivarin (THCV)	0.754	2.641	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	2.931	10.263	ND	ND	
Total Cannabinoids			903.771	32.27	
Total Potential THC			0.546	0.02	
Total Potential CBD			897.203	32.04	

Final Approval



Judith Marquez
04Mar2025
02:20:00 PM MST

PREPARED BY / DATE



Sam Smith
04Mar2025
02:29:00 PM MST

APPROVED BY / DATE

Heavy Metals

Test ID: T000299067

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.50	ND	
Cadmium	0.04 - 4.36	ND	
Mercury	0.05 - 4.59	ND	
Lead	0.05 - 4.69	ND	

Final Approval



Judith Marquez
05Mar2025
11:22:00 AM MST

PREPARED BY / DATE



Sam Smith
05Mar2025
11:25:00 AM MST

APPROVED BY / DATE

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Residual Solvents


Test ID: T000299068

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1717	ND	
Butanes (Isobutane, n-Butane)	169 - 3390	ND	
Methanol	64 - 1274	ND	
Pentane	89 - 1771	ND	
Ethanol	92 - 1839	ND	
Acetone	101 - 2029	ND	
Isopropyl Alcohol	105 - 2100	ND	
Hexane	6 - 126	ND	
Ethyl Acetate	105 - 2092	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	98 - 1961	ND	
Toluene	19 - 374	ND	
Xylenes (m,p,o-Xylenes)	138 - 2764	ND	

Final Approval


Judith Marquez
06Mar2025
12:49:00 PM MST
PREPARED BY / DATE


Sam Smith
06Mar2025
12:53:00 PM MST
APPROVED BY / DATE

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Pesticides


Test ID: T000299065


Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)
Abamectin	341 - 2722	ND
Acephate	42 - 2717	ND
Acetamiprid	43 - 2696	ND
Azoxystrobin	43 - 2724	ND
Bifenazate	41 - 2718	ND
Boscalid	42 - 2698	ND
Carbaryl	41 - 2698	ND
Carbofuran	43 - 2671	ND
Chlorantraniliprole	40 - 2700	ND
Chlorpyrifos	50 - 2697	ND
Clofentezine	278 - 2719	ND
Diazinon	280 - 2720	ND
Dichlorvos	296 - 2711	ND
Dimethoate	39 - 2737	ND
E-Fenpyroximate	295 - 2708	ND
Etofenprox	41 - 2714	ND
Etoxazole	296 - 2647	ND
Fenoxycarb	29 - 2724	ND
Fipronil	48 - 2724	ND
Flonicamid	43 - 2758	ND
Fludioxonil	280 - 2774	ND
Hexythiazox	40 - 2711	ND
Imazalil	268 - 2758	ND
Imidacloprid	44 - 2713	ND
Kresoxim-methyl	44 - 2741	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	276 - 2747	ND
Metalaxyl	42 - 2727	ND
Methiocarb	44 - 2745	ND
Methomyl	41 - 2754	ND
MGK 264 1	157 - 1606	ND
MGK 264 2	101 - 1090	ND
Myclobutanil	47 - 2666	ND
Naled	40 - 2673	ND
Oxamyl	44 - 2761	ND
Paclobutrazol	44 - 2669	ND
Permethrin	284 - 2757	ND
Phosmet	41 - 2599	ND
Prophos	281 - 2744	ND
Propoxur	42 - 2704	ND
Pyridaben	304 - 2729	ND
Spinosad A	32 - 2076	ND
Spinosad D	71 - 650	ND
Spiromesifen	288 - 2705	ND
Spirotetramat	283 - 2756	ND
Spiroxamine 1	16 - 1025	ND
Spiroxamine 2	26 - 1620	ND
Tebuconazole	285 - 2750	ND
Thiacloprid	44 - 2743	ND
Thiamethoxam	39 - 2717	ND
Trifloxystrobin	44 - 2707	ND

Final Approval


PREPARED BY / DATE
Sam Smith
14Mar2025
11:22:00 AM MDT


APPROVED BY / DATE
Sam Smith
14Mar2025
11:24:00 AM MDT

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Page 5 of 6

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<https://results.botanacor.com/api/v1/coas/uuid/a3387dd9-84b6-44f5-bdfc-d52107d4b5ef>

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



Cert #4329.02

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Cert #4329.02

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