

Prepared for:

Sapphire Essentials

1975 E. Western Reserve Rd. #2

Poland, OH USA 44514

30ml - 500mg - CBD Oil - Broad Spectrum - Tincture

Batch ID or Lot Number:

SE21425-500

Test, Test ID and Methods:

Various

Matrix:

Finished Product

Page 1 of 6

Reported:

03Mar2025

Started:

28Feb2025

Received:

27Feb2025

Microbial Contaminants

Test ID: T000299061

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: T000299059

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

Spectrum Analysis, 0.01% THC

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.415	4.953	ND	ND	# of Servings = 1 Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.294	4.531	ND	ND	
Cannabidiol (CBD)	5.091	15.313	448.648	16.02	
Cannabidiolic Acid (CBDA)	5.222	15.706	ND	ND	
Cannabidivarin (CBDV)	1.204	3.622	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	2.178	6.552	ND	ND	
Cannabigerol (CBG)	0.803	2.812	ND	ND	
Cannabigerolic Acid (CBGA)	3.358	11.757	ND	ND	
Cannabinol (CBN)	1.048	3.669	ND	ND	
Cannabinolic Acid (CBNA)	2.291	8.022	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.001	14.007	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.606	2.120	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.537	1.878	ND	ND	
Tetrahydrocannabivarin (THCV)	0.731	2.558	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	2.840	9.941	ND	ND	
Total Cannabinoids			448.648	16.02	
Total Potential THC			ND	ND	
Total Potential CBD			448.648	16.02	

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: T000299062

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

Prepared for:

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Residual Solvents

Test ID: T000299063

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1729	ND	
Butanes (Isobutane, n-Butane)	171 - 3414	ND	
Methanol	64 - 1283	ND	
Pentane	89 - 1784	ND	
Ethanol	93 - 1852	ND	
Acetone	102 - 2043	ND	
Isopropyl Alcohol	106 - 2115	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	105 - 2107	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	99 - 1975	ND	
Toluene	19 - 377	ND	
Xylenes (m,p,o-Xylenes)	139 - 2784	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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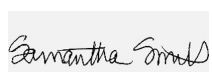
Pesticides

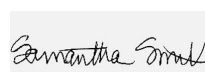
Test ID: T000299060

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	341 - 2722	ND		Malathion	276 - 2747	ND
Acephate	42 - 2717	ND		Metalaxyl	42 - 2727	ND
Acetamiprid	43 - 2696	ND		Methiocarb	44 - 2745	ND
Azoxystrobin	43 - 2724	ND		Methomyl	41 - 2754	ND
Bifenazate	41 - 2718	ND		MGK 264 1	157 - 1606	ND
Boscalid	42 - 2698	ND		MGK 264 2	101 - 1090	ND
Carbaryl	41 - 2698	ND		Myclobutanil	47 - 2666	ND
Carbofuran	43 - 2671	ND		Naled	40 - 2673	ND
Chlorantraniliprole	40 - 2700	ND		Oxamyl	44 - 2761	ND
Chlorpyrifos	50 - 2697	ND		Paclobutrazol	44 - 2669	ND
Clofentezine	278 - 2719	ND		Permethrin	284 - 2757	ND
Diazinon	280 - 2720	ND		Phosmet	41 - 2599	ND
Dichlorvos	296 - 2711	ND		Prophos	281 - 2744	ND
Dimethoate	39 - 2737	ND		Propoxur	42 - 2704	ND
E-Fenpyroximate	295 - 2708	ND		Pyridaben	304 - 2729	ND
Etofenprox	41 - 2714	ND		Spinosad A	32 - 2076	ND
Etoxazole	296 - 2647	ND		Spinosad D	71 - 650	ND
Fenoxycarb	29 - 2724	ND		Spiromesifen	288 - 2705	ND
Fipronil	48 - 2724	ND		Spirotetramat	283 - 2756	ND
Flonicamid	43 - 2758	ND		Spiroxamine 1	16 - 1025	ND
Fludioxonil	280 - 2774	ND		Spiroxamine 2	26 - 1620	ND
Hexythiazox	40 - 2711	ND		Tebuconazole	285 - 2750	ND
Imazalil	268 - 2758	ND		Thiacloprid	44 - 2743	ND
Imidacloprid	44 - 2713	ND		Thiamethoxam	39 - 2717	ND
Kresoxim-methyl	44 - 2741	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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<https://results.botanacor.com/api/v1/coas/uuid/b8f6fa12-c611-47d0-b29f-8a70245175ce>

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 \times (0.877)) and Total CBD = CBD + (CBDa \times (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 \times (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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