

Prepared for:

Sapphire Essentials LLC1975 E. Western Reserve Road. Suite B2
Poland, OH USA 44514**1500mg Oil**

Batch ID or Lot Number: 005	Test: Potency	Reported: 11Feb2022	USDA License: N/A
Matrix: Unit	Test ID: T000191733	Started: 10Feb2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 08Feb2022	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	1.605	4.962	ND	ND	# of Servings = 1, Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.468	4.539	ND	ND	
Cannabidiol (CBD)	3.629	13.211	1443.410	51.60	
Cannabidiolic Acid (CBDA)	3.722	13.550	ND	ND	
Cannabidivarin (CBDV)	0.858	3.125	10.840	0.40	
Cannabidivarinic Acid (CBDVA)	1.553	5.652	ND	ND	
Cannabigerol (CBG)	0.912	2.818	ND	ND	
Cannabigerolic Acid (CBGA)	3.811	11.778	ND	ND	
Cannabinol (CBN)	1.189	3.676	ND	ND	
Cannabinolic Acid (CBNA)	2.600	8.036	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.540	14.032	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	4.123	12.744	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.653	11.291	ND	ND	
Tetrahydrocannabivarin (THCV)	0.829	2.563	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.222	9.959	ND	ND	
Total Cannabinoids			1454.250	51.94	
Total Potential THC**			ND	ND	
Total Potential CBD**			1443.410	51.55	

Final ApprovalDaniel Weidensaul
11Feb2022
01:28:00 PM MSTRyan Weems
11Feb2022
01:30:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/40f88ec6-1243-49a5-8b3d-443e8a2ec6d6>**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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.



Cert #4329.02

40f88ec6124349a58b3d443e8a2ec6d6.4

Prepared for:

Sapphire Essentials LLC

1975 E. Western Reserve Road. Suite B2
Poland, OH USA 44514

1500mg Oil


Batch ID or Lot Number: 005	Test: Microbial Contaminants	Reported: 14Feb2022	USDA License: NA
Matrix: Finished Product	Test ID: T000191734	Started: 08Feb2022	Sampler ID: NA
	Method(s): TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Received: 08Feb2022	Status: NA

Microbial

Contaminants

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	1.0 CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	1.0 CFU/g	NA	Absent	None Detected
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	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



Eden Thompson-Wright
11Feb2022
03:22:00 PM MST

PREPARED BY / DATE



Brianne Maillot
11Feb2022
04:08:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/b5c24aeb-aeb6-4115-9084-3de88d063316>

Definitions

* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Cert #4329.02

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Oil 1500mg

Batch ID:	N/A	Test ID:	1025099.007
Reported:	14-Aug-2019	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		


RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL


Alex Smith
14-Aug-2019
3:54 PM
David Green
14-Aug-2019
3:59 PM

PREPARED BY / DATE

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Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

Oil 1500mg


Batch ID:	03	Test ID:	1786451.005
Reported:	6-Aug-2019	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	58 - 2693	ND*	Malathion	58 - 2693	ND*
Acetamiprid	58 - 2693	ND*	Metalaxyl	349 - 2693	ND*
Avermectin	349 - 2693	N/A	Methiocarb	58 - 2693	ND*
Azoxystrobin	58 - 2693	ND*	Methomyl	58 - 2693	ND*
Bifenazate	58 - 2693	ND*	MGK 264 1	58 - 2693	ND*
Boscalid	349 - 2693	ND*	MGK 264 2	349 - 2693	ND*
Carbaryl	58 - 2693	ND*	Myclobutanil	349 - 2693	ND*
Carbofuran	58 - 2693	ND*	Naled	349 - 2693	ND*
Chlorantraniliprole	58 - 2693	ND*	Oxamyl	58 - 2693	ND*
Chlorpyrifos	349 - 2693	ND*	Paclobutrazol	58 - 2693	ND*
Clofentezine	58 - 2693	ND*	Permethrin	349 - 2693	ND*
Diazinon	58 - 2693	ND*	Phosmet	58 - 2693	ND*
Dichlorvos	349 - 2693	ND*	Prophos	349 - 2693	ND*
Dimethoate	58 - 2693	ND*	Propoxur	349 - 2693	ND*
E-Fenpyroximate	349 - 2693	ND*	Pyridaben	349 - 2693	ND*
Etofenprox	349 - 2693	ND*	Spinosad A	58 - 2693	ND*
Etoxazole	349 - 2693	ND*	Spinosad D	349 - 2693	ND*
Fenoxycarb	58 - 2693	ND*	Spiromesifen	58 - 2693	ND*
Fipronil	349 - 2693	N/A	Spirotetramat	349 - 2693	ND*
Flonicamid	58 - 2693	ND*	Spiroxamine 1	58 - 2693	ND*
Fludioxonil	349 - 2693	ND*	Spiroxamine 2	58 - 2693	ND*
Hexythiazox	349 - 2693	ND*	Tebuconazole	58 - 2693	ND*
Imazalil	349 - 2693	ND*	Thiacloprid	58 - 2693	ND*
Imidacloprid	58 - 2693	ND*	Thiamethoxam	58 - 2693	ND*
Kresoxim-methyl	58 - 2693	ND*	Trifloxystrobin	349 - 2693	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


Chris Jungling
6-Aug-2019
7:51 PM
PREPARED BY / DATE


Mike Bravold
6-Aug-2019
8:25 PM
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.