

Prepared for:

Sapphire Essentials LLC

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

1000mg Oil

Batch ID or Lot Number: 004	Test: Potency	Reported: 11Feb2022	USDA License: N/A
Matrix: Unit	Test ID: T000191731	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)	1.518	4.690	ND	ND	# of Servings = 1, Sample Weight=28g
Cannabichromenic Acid (CBCA)	1.388	4.290	ND	ND	
Cannabidiol (CBD)	3.430	12.487	957.840	34.20	
Cannabidiolic Acid (CBDA)	3.518	12.807	ND	ND	
Cannabidivarin (CBDV)	0.811	2.953	4.340	0.20	
Cannabidivarinic Acid (CBDVA)	1.468	5.343	ND	ND	
Cannabigerol (CBG)	0.862	2.663	ND	ND	
Cannabigerolic Acid (CBGA)	3.602	11.133	ND	ND	
Cannabinol (CBN)	1.124	3.474	ND	ND	
Cannabinolic Acid (CBNA)	2.457	7.596	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	4.291	13.263	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	3.897	12.045	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	3.453	10.672	ND	ND	
Tetrahydrocannabivarin (THCV)	0.784	2.422	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.046	9.413	ND	ND	
Total Cannabinoids			962.180	34.36	
Total Potential THC**			ND	ND	
Total Potential CBD**			957.840	34.21	

Final Approval



Daniel Weidensaul
11Feb2022
01:28:00 PM MST

PREPARED BY / DATE



Ryan Weems
11Feb2022
01:30:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/70ba3c81-5c4b-4590-98e2-fbb472130814>

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
70ba3c815c4b459098e2fbb472130814.4

Prepared for:

Sapphire Essentials LLC


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

1000mg Oil

Batch ID or Lot Number: 004	Test: Microbial Contaminants	Reported: 14Feb2022	USDA License: NA
Matrix: Finished Product	Test ID: T000191732	Started: 08Feb2022	Sampler ID: NA
	Method(s): TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Received: 08Feb2022	Status: NA

Microbial
Contaminants

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/fa7ca211-c1b4-494d-81c1-02b744cb4475>
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 1000mg

Batch ID:	02	Test ID:	7434248.006
Reported:	12-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

 Karen Winternheimer 12-Aug-2019 3:38 PM	 David Green 12-Aug-2019 3:40 PM
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PREPARED BY / DATE

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Certificate #4329.02


Oil 1000mg

Batch ID:	02	Test ID:	1786451.004
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	57 - 2644	ND*	Malathion	57 - 2644	ND*
Acetamiprid	57 - 2644	ND*	Metalaxyl	343 - 2644	ND*
Avermectin	343 - 2644	N/A	Methiocarb	57 - 2644	ND*
Azoxystrobin	57 - 2644	ND*	Methomyl	57 - 2644	ND*
Bifenazate	57 - 2644	ND*	MGK 264 1	57 - 2644	ND*
Boscalid	343 - 2644	ND*	MGK 264 2	343 - 2644	ND*
Carbaryl	57 - 2644	ND*	Myclobutanil	343 - 2644	ND*
Carbofuran	57 - 2644	ND*	Naled	343 - 2644	ND*
Chlorantraniliprole	57 - 2644	ND*	Oxamyl	57 - 2644	ND*
Chlorpyrifos	343 - 2644	ND*	Paclobutrazol	57 - 2644	ND*
Clofentezine	57 - 2644	ND*	Permethrin	343 - 2644	ND*
Diazinon	57 - 2644	ND*	Phosmet	57 - 2644	ND*
Dichlorvos	343 - 2644	ND*	Prophos	343 - 2644	ND*
Dimethoate	57 - 2644	ND*	Propoxur	343 - 2644	ND*
E-Fenpyroximate	343 - 2644	ND*	Pyridaben	343 - 2644	ND*
Etofenprox	343 - 2644	ND*	Spinosad A	57 - 2644	ND*
Etoxazole	343 - 2644	ND*	Spinosad D	343 - 2644	ND*
Fenoxycarb	57 - 2644	ND*	Spiromesifen	57 - 2644	ND*
Fipronil	343 - 2644	N/A	Spirotetramat	343 - 2644	ND*
Flonicamid	57 - 2644	ND*	Spiroxamine 1	57 - 2644	ND*
Fludioxonil	343 - 2644	ND*	Spiroxamine 2	57 - 2644	ND*
Hexythiazox	343 - 2644	ND*	Tebuconazole	57 - 2644	ND*
Imazalil	343 - 2644	ND*	Thiacloprid	57 - 2644	ND*
Imidacloprid	57 - 2644	ND*	Thiamethoxam	57 - 2644	ND*
Kresoxim-methyl	57 - 2644	ND*	Trifloxystrobin	343 - 2644	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 Branvold
 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.