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CERTIFICATE OF ANALYSIS

Prepared for:

Sapphire Essentials LLC

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

Softgels Curcumin

Batch ID or Lot Number:	Test:	Reported:	USDA License:
010	**Potency**	**11Feb2022**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000191725	10Feb2022	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	08Feb2022	N/A

Cannabinoids

	LOD (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.094	0.290	ND	ND	# of Servings = 1, Sample Weight=0.603g
Cannabichromenic Acid (CBCA)	0.086	0.265	ND	ND	
Cannabidiol (CBD)	0.212	0.772	25.990	43.10	
Cannabidiolic Acid (CBDA)	0.217	0.791	ND	ND	
Cannabidivarin (CBDV)	0.050	0.183	0.240	0.40	
Cannabidivarinic Acid (CBDVA)	0.091	0.330	ND	ND	
Cannabigerol (CBG)	0.053	0.165	ND	ND	
Cannabigerolic Acid (CBGA)	0.223	0.688	ND	ND	
Cannabinol (CBN)	0.069	0.215	ND	ND	
Cannabinolic Acid (CBNA)	0.152	0.469	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.265	0.820	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.241	0.744	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.213	0.660	ND	ND	
Tetrahydrocannabivarin (THCV)	0.048	0.150	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.188	0.582	ND	ND	
Total Cannabinoids			**26.230**	**43.49**	
Total Potential THC**			ND	ND	
Total Potential CBD**			25.990	43.10	

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/7bd18c67-fc42-4c80-9020-d3b2108448b8

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)).

Cert #4329.02

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Prepared for:

Sapphire Essentials LLC

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

Softgels Curcumin

Batch ID or Lot Number:	Test:	Reported:	USDA License:
010	**Microbial Contaminants**	**14Feb2022**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000191726	08Feb2022	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
Salmonella	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/e2068e01-917d-44ee-8557-86ba705a7419

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 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

Cert #4329.02

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CERTIFICATE OF ANALYSIS

prepared for: SAPPHIRE ESSENTIALS LTD
CARRER DE BAILEN II BAJOS
BARCELONA, SPAIN 08010

Gel Caps Curcumin

Batch ID:	06	**Test ID:**	7434248.009
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	1935
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
PREPARED BY / DATE

David Green
12-Aug-2019
3:40 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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

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CERTIFICATE OF ANALYSIS

prepared for: SAPPHIRE ESSENTIALS LTD
CARRER DE BAILEN II BAJOS
BARCELONA, SPAIN 08010

Gel Caps Curcumin

Batch ID:	06	**Test ID:**	1786451.008
Reported:	6-Aug-2019	**Method:**	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	47 - 2167	ND*
Acetamiprid	47 - 2167	ND*
Avermectin	281 - 2167	N/A
Azoxystrobin	47 - 2167	ND*
Bifenazate	47 - 2167	ND*
Boscalid	281 - 2167	ND*
Carbaryl	47 - 2167	ND*
Carbofuran	47 - 2167	ND*
Chlorantraniliprole	47 - 2167	ND*
Chlorpyrifos	281 - 2167	ND*
Clofentezine	47 - 2167	ND*
Diazinon	47 - 2167	ND*
Dichlorvos	281 - 2167	ND*
Dimethoate	47 - 2167	ND*
E-Fenpyroximate	281 - 2167	ND*
Etofenprox	281 - 2167	ND*
Etoxazole	281 - 2167	ND*
Fenoxycarb	47 - 2167	ND*
Fipronil	281 - 2167	N/A
Flonicamid	47 - 2167	ND*
Fludioxonil	281 - 2167	ND*
Hexythiazox	281 - 2167	ND*
Imazalil	281 - 2167	ND*
Imidacloprid	47 - 2167	ND*
Kresoxim-methyl	47 - 2167	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	47 - 2167	ND*
Metalaxyl	281 - 2167	ND*
Methiocarb	47 - 2167	ND*
Methomyl	47 - 2167	ND*
MGK 264 1	47 - 2167	ND*
MGK 264 2	281 - 2167	ND*
Myclobutanil	281 - 2167	ND*
Naled	281 - 2167	ND*
Oxamyl	47 - 2167	ND*
Paclobutrazol	47 - 2167	ND*
Permethrin	281 - 2167	ND*
Phosmet	47 - 2167	ND*
Prophos	281 - 2167	ND*
Propoxur	281 - 2167	ND*
Pyridaben	281 - 2167	ND*
Spinosad A	47 - 2167	ND*
Spinosad D	281 - 2167	ND*
Spiromesifen	47 - 2167	ND*
Spirotetramat	281 - 2167	ND*
Spiroxamine 1	47 - 2167	ND*
Spiroxamine 2	47 - 2167	ND*
Tebuconazole	47 - 2167	ND*
Thiacloprid	47 - 2167	ND*
Thiamethoxam	47 - 2167	ND*
Trifloxystrobin	281 - 2167	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.

