

CERTIFICATE OF ANALYSIS

Prepared for: Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

NuLeaf Naturals CBD Softgel Formulation

Batch ID or Lot Number:	Test:	Reported:	USDA License:
D330S	Potency	29Jul2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Solution	T000250435	28Jul2023	N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 26Jul2023	Status: Active

			Result		
Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	(mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.060	0.218	1.114	1.20	Density =
Cannabichromenic Acid (CBCA)	0.055	0.199	ND	ND	0.926g/mL
Cannabidiol (CBD)	0.215	0.572	29.739	32.12	
Cannabidiolic Acid (CBDA)	0.220	0.586	0.663	0.72	
Cannabidivarin (CBDV)	0.051	0.135	0.167	0.18	
Cannabidivarinic Acid (CBDVA)	0.092	0.245	ND	ND	
Cannabigerol (CBG)	0.034	0.124	0.699	0.75	
Cannabigerolic Acid (CBGA)	0.143	0.516	ND	ND	
Cannabinol (CBN)	0.045	0.161	ND	ND	
Cannabinolic Acid (CBNA)	0.098	0.352	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.171	0.615	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.155	0.559	0.998	1.08	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.137	0.495	ND	ND	
Tetrahydrocannabivarin (THCV)	0.031	0.112	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.121	0.437	ND	ND	
Total Cannabinoids			33.380	36.05	
Total Potential THC			0.998	1.08	
Total Potential CBD			30.320	32.75	

Final Approval

PREPARED BY / DATE

Emanthe ma

Sam Smith 29Jul2023 12:35:00 PM MDT

APPROVED BY / DATE

Karen Winternheimer 29Jul2023 12:38:00 PM MDT



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 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 Accredited by A2LA.





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1550 Larimer St #964 Denver, CO USA 80202

NuLeaf Naturals CBD Softgel Formulation

Batch ID or Lot Number:	Test:	Reported:	USDA License:
D330S	Heavy Metals	31Jul2023	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000250438	29Jul2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	26Jul2023	NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes	
Arsenic	0.05 - 4.66	ND		
Cadmium	0.05 - 4.55	ND		
Mercury	0.05 - 4.64	ND		
Lead	0.04 - 4.44	ND		

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PREPARED BY / DATE

Samantha Smo

Sam Smith 31Jul2023 12:41:00 PM MDT

APPROVED BY / DATE

Karen Winternheimer 31Jul2023 12:44:00 PM MDT



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Definitions

ND = None Detected (defined by dynamic range of the method) Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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CERTIFICATE OF ANALYSIS

Prepared for: **Nuleaf Naturals**

1550 Larimer St #964 Denver, CO USA 80202

NuLeaf Naturals CBD Softgel Formulation

Batch ID or Lot Number: D330S	Test: Microbial Cont a	aminants	Reported: 30Jul2023		USDA License: N/A	
Matrix:	Test ID:	Test ID:			Sampler ID:	
Finished Product	T000250437		26Jul2023		N/A	
	Method(s):		Received:		Status:	
	TM25 (qPCR) TM (Culture Plating) Panel)	24, TM26, TM27 : Microbial (Colorado	26Jul2023		Active	
Microbial			0			
Contaminants	Method	LOD	Quantitation Range	Result	Notes	
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and — foreign matter	
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	- Ioreign matter	
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

PREPARED BY / DATE

Brianne Maillot

Brianne Maillot 29Jul2023 11:57:00 AM MDT

Eden Thompson

Eden Thompson-Wright 30Jul2023 11:25:00 AM MDT



APPROVED BY / DATE

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: $10^2 = 100 \text{ CFU}$, $10^3 = 1,000 \text{ CFU}$, $10^4 = 10,000 \text{ CFU}$, $10^5 = 100,000 \text{ CFU}$ 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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Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

NuLeaf Naturals CBD Softgel FormulationDenver, CO USA 80202Batch ID or Lot Number:Test:Reported:USDA License:D330SPesticides28Jul2023NAMatrix:Test ID:Started:Sampler ID:

Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000250436	27Jul2023	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	26Jul2023	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (pp
Abamectin	268 - 2844	ND	Malathion	284 - 2765
cephate	42 - 2750	ND	Metalaxyl	42 - 2747
cetamiprid	41 - 2769	ND	Methiocarb	42 - 2785
Azoxystrobin	42 - 2753	ND	Methomyl	39 - 2784
ifenazate	45 - 2725	ND	MGK 264 1	161 - 1688
oscalid	46 - 2724	ND	MGK 264 2	107 - 1070
arbaryl	43 - 2733	ND	Myclobutanil	48 - 2763
arbofuran	43 - 2729	ND	Naled	49 - 2738
nlorantraniliprole	39 - 2751	ND	Oxamyl	40 - 2789
nlorpyrifos	42 - 2743	ND	Paclobutrazol	42 - 2713
ofentezine	278 - 2762	ND	Permethrin	276 - 2768
azinon	302 - 2751	ND	Phosmet	42 - 2738
lichlorvos	272 - 2804	ND	Prophos	279 - 2785
imethoate	40 - 2747	ND	Propoxur	42 - 2722
enpyroximate	295 - 2751	ND	Pyridaben	301 - 2699
ofenprox	44 - 2734	ND	Spinosad A	28 - 2095
oxazole	300 - 2724	ND	Spinosad D	66 - 664
enoxycarb	2 - 2727	ND	Spiromesifen	294 - 2738
oronil	52 - 2695	ND	Spirotetramat	295 - 2805
onicamid	45 - 2783	ND	Spiroxamine 1	18 - 1248
udioxonil	294 - 2761	ND	Spiroxamine 2	22 - 1532
exythiazox	44 - 2740	ND	Tebuconazole	284 - 2736
nazalil	277 - 2786	ND	Thiacloprid	41 - 2741
nidacloprid	42 - 2796	ND	Thiamethoxam	39 - 2796
resoxim-methyl	46 - 2746	ND	Trifloxystrobin	43 - 2712

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Samantha Sma

Sam Smith 28Jul2023 12:20:00 PM MDT

APPROVED BY / DATE

Karen Winternheimer 28Jul2023 12:27:00 PM MDT



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Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range ppb = Parts Per Billion

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NuLeaf Naturals CBD Softgel Formulation

Batch ID or Lot Number:	Test:	Reported:	USDA License:
D330S	Residual Solvents	28Jul2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000250439	28Jul2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	26Jul2023	Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1872	ND	
Butanes (Isobutane, n-Butane)	183 - 3659	ND	
Methanol	58 - 1160	ND	
Pentane	93 - 1858	ND	
Ethanol	94 - 1890	ND	
Acetone	92 - 1845	ND	
lsopropyl Alcohol	96 - 1930	ND	
Hexane	6 - 112	ND	
Ethyl Acetate	94 - 1890	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	93 - 1869	ND	
Toluene	17 - 340	ND	
Xylenes (m,p,o-Xylenes)	123 - 2468	ND	

Final Approval

PREPARED BY / DATE

Karen Winternheimer 28Jul2023 03:54:00 PM MDT

Samanthe Sm

APPROVED BY / DATE

Sam Smith 28Jul2023 03:55:00 PM MDT



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Definitions

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