

Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D242

Batch ID or Lot Number: LB-O-60319	Test: Potency	Reported: 17Oct2022	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Solution	T000224517	13Oct2022	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	12Oct2022	Active

	Result				
Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	(mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.058	0.213	ND	ND	Density =
Cannabichromenic Acid (CBCA)	0.053	0.195	ND	ND	0.929g/mL
Cannabidiol (CBD)	0.184	0.544	63.817	68.69	
Cannabidiolic Acid (CBDA)	0.189	0.558	1.773	1.91	
Cannabidivarin (CBDV)	0.044	0.129	0.135	0.15	
Cannabidivarinic Acid (CBDVA)	0.079	0.233	ND	ND	
Cannabigerol (CBG)	0.033	0.121	1.278	1.38	
Cannabigerolic Acid (CBGA)	0.137	0.506	ND	ND	
Cannabinol (CBN)	0.043	0.158	<loq< td=""><td>0.05</td><td></td></loq<>	0.05	
Cannabinolic Acid (CBNA)	0.094	0.345	<loq< td=""><td>0.25</td><td></td></loq<>	0.25	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.163	0.603	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.148	0.548	2.373	2.55	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.131	0.485	ND	ND	
Tetrahydrocannabivarin (THCV)	0.030	0.110	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.116	0.428	ND	ND	
Total Cannabinoids	·		69.656	74.98	•
Total Potential THC			2.373	2.55	
Total Potential CBD			65.372	70.37	

Final Approval

Wintenheimer PREPARED BY / DATE

Karen Winternheimer 17Oct2022 02:02:00 PM MDT

Samantha Smill

Sam Smith 17Oct2022 02:05:00 PM MDT



APPROVED BY / DATE

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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-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.











Cert #4329.02

CDPHE Certified 90b9d1d4d7724642837912f75ab1f0be.1



Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D242

Batch ID or Lot Number: LB-O-60319	Test: Heavy Metals	Reported: 25Oct2022	USDA License: NA	
Matrix: Other	Test ID: T000224520	Started: 24Oct2022	Sampler ID: NA	
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 12Oct2022	Status: NA	

Dynamic Range (ppm)	Result (ppm)	Notes	
0.04 - 4.19	ND		
0.04 - 4.28	ND		
0.04 - 3.79	ND		
0.04 - 4.13	ND		
	0.04 - 4.19 0.04 - 4.28 0.04 - 3.79	0.04 - 4.19 ND 0.04 - 4.28 ND 0.04 - 3.79 ND	0.04 - 4.19 ND 0.04 - 4.28 ND 0.04 - 3.79 ND

Final Approval

PREPARED BY / DATE

Sam Smith 25Oct2022 08:37:00 AM MDT

APPROVED BY / DATE

Karen Winternheimer 25Oct2022 08:42:00 AM MDT



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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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Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D242

Batch ID or Lot Number:	Test:	Reported:	USDA License:
LB-O-60319	Microbial Contaminants	16Oct2022	N/A
Matrix:	Test ID:	Started:	Sampler ID:
General/Other	T000224519	12Oct2022	
General Oction	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorac Panel)	Received: 12Oct2022	Status: Active

Microbial			Quantitation			
Contaminants	Method	LOD	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	— Toreign 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

Eden Thompson

Eden Thompson-Wright 15Oct2022 10:46:00 AM MDT

MAR

Jacob Folkerts 16Oct2022 10:52:00 AM MDT



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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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Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D242

Batch ID or Lot Number:	Test:	Reported: 20Oct2022	USDA License:
LB-O-60319	Pesticides		NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000224518	13Oct2022	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	12Oct2022	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	336 - 2809	ND
Acephate	43 - 2703	ND
Acetamiprid	40 - 2687	ND
Azoxystrobin	41 - 2723	ND
Bifenazate	41 - 2706	ND
Boscalid	35 - 2770	ND
Carbaryl	40 - 2712	ND
Carbofuran	42 - 2712	ND
Chlorantraniliprole	43 - 2769	ND
Chlorpyrifos	43 - 2788	ND
Clofentezine	276 - 2752	ND
Diazinon	271 - 2719	ND
Dichlorvos	278 - 2710	ND
Dimethoate	42 - 2686	ND
E-Fenpyroximate	284 - 2744	ND
Etofenprox	40 - 2750	ND
Etoxazole	291 - 2729	ND
Fenoxycarb	41 - 2712	ND
Fipronil	34 - 2789	ND
Flonicamid	45 - 2683	ND
Fludioxonil	289 - 2744	ND
Hexythiazox	38 - 2747	ND
Imazalil	266 - 2779	ND
Imidacloprid	47 - 2700	ND
Kresoxim-methyl	38 - 2758	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	285 - 2713	ND
Metalaxyl	40 - 2727	ND
Methiocarb	42 - 2749	ND
Methomyl	42 - 2695	ND
MGK 264 1	166 - 1608	ND
MGK 264 2	114 - 1138	ND
Myclobutanil	48 - 2767	ND
Naled	44 - 2779	ND
Oxamyl	41 - 2689	ND
Paclobutrazol	41 - 2720	ND
Permethrin	24 - 2686	ND
Phosmet	41 - 2716	ND
Prophos	299 - 2767	ND
Propoxur	39 - 2727	ND
Pyridaben	262 - 2738	ND
Spinosad A	33 - 2252	ND
Spinosad D	49 - 502	ND
Spiromesifen	289 - 2726	ND
Spirotetramat	268 - 2728	ND
Spiroxamine 1	16 - 1182	ND
Spiroxamine 2	23 - 1592	ND
Tebuconazole	274 - 2744	ND
Thiacloprid	41 - 2692	ND
Thiamethoxam	42 - 2663	ND
Trifloxystrobin	43 - 2731	ND

Final Approval

L Wintersheumen PREPARED BY / DATE

Karen Winternheimer 17Oct2022 02:09:00 PM MDT

APPROVED BY / DATE

Sam Smith 17Oct2022 02:12:00 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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Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D242

Batch ID or Lot Number:	Test:	Reported:	USDA License:
LB-O-60319	Residual Solvents	12Oct2022	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000224521	12Oct2022	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	12Oct2022	Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	106 - 2130	ND	
Butanes (Isobutane, n-Butane)	219 - 4377	ND	
Methanol	63 - 1263	ND	
Pentane	111 - 2222	ND	
Ethanol	94 - 1882	ND	
Acetone	105 - 2101	ND	
Isopropyl Alcohol	93 - 1859	ND	
Hexane	7 - 134	ND	
Ethyl Acetate	103 - 2065	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	108 - 2168	ND	
Toluene	16 - 328	ND	
Xylenes (m,p,o-Xylenes)	108 - 2162	ND	

Final Approval



Karen Winternheimer 13Oct2022 07:11:00 PM MDT

Sowantha Smul

Sam Smith 13Oct2022 07:13:00 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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Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D242

Batch ID or Lot Number: LB-O-60319	Test: Mycotoxins	Reported: 21Oct2022	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000224522	19Oct2022	N/A
	Method(s):	Received:	Status:
	TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	12Oct2022	Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes	
Ochratoxin A	1.29 - 118.01	ND	N/A	
Aflatoxin B1	0.85 - 30.05	ND		
Aflatoxin B2	2.28 - 29.58	ND		
Aflatoxin G1	0.97 - 29.79	ND		
Aflatoxin G2	1.17 - 29.67	ND		
Total Aflatoxins (B1, B2, G1, and G2)		ND		

Final Approval

PREPARED BY / DATE

Samantha Smoll

Sam Smith 21Oct2022 10:29:00 AM MDT

APPROVED BY / DATE

Karen Winternheimer 21Oct2022 10:31:00 AM MDT

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Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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