

Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D304

Batch ID or Lot Number: LB-O-60357	Test: Potency	Reported: 31Jan2023	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Solution	T000234125	31Jan2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	27Jan2023	Active

			Result		
Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	(mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.058	0.168	2.344	2.55	Density =
Cannabichromenic Acid (CBCA)	0.053	0.154	ND	ND	0.919g/mL
Cannabidiol (CBD)	0.157	0.471	63.884	69.51	
Cannabidiolic Acid (CBDA)	0.161	0.484	1.807	1.97	
Cannabidivarin (CBDV)	0.037	0.112	0.135	0.15	
Cannabidivarinic Acid (CBDVA)	0.067	0.202	ND	ND	
Cannabigerol (CBG)	0.033	0.096	1.263	1.37	
Cannabigerolic Acid (CBGA)	0.137	0.400	ND	ND	
Cannabinol (CBN)	0.043	0.125	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabinolic Acid (CBNA)	0.094	0.273	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.163	0.476	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.148	0.432	2.319	2.52	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.131	0.383	ND	ND	
Tetrahydrocannabivarin (THCV)	0.030	0.087	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.116	0.338	ND	ND	
Total Cannabinoids			71.752	78.07	•
Total Potential THC			2.319	2.52	
Total Potential CBD			65.469	71.24	

Final Approval

PREPARED BY / DATE

Sam Smith 31Jan2023 01:02:00 PM MST

Karen Winternheimer 31Jan2023 01:10:00 PM MST



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/de709efe-6eba-4b26-b51c-0c2ad79ff7c0

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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Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D304

Batch ID or Lot Number: LB-O-60357	Test: Heavy Metals	Reported: 31Jan2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Other	T000234128	30Jan2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	27Jan2023	NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes	
Arsenic	0.04 - 4.48	ND		
Cadmium	0.04 - 4.39	ND		
Mercury	0.04 - 4.31	ND		
Lead	0.05 - 5.18	ND		
				

Final Approval

PREPARED BY / DATE

Sawantha Smoll

Sam Smith 31Jan2023 12:00:00 PM MST

APPROVED BY / DATE

Karen Winternheimer 31Jan2023 12:04:00 PM MST

https://results.botanacor.com/api/v1/coas/uuid/01b9cb2c-6749-4863-89fa-7eb0c4c26312

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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Cert #4329.02

CDPHE Certified 01b9cb2c6749486389fa7eb0c4c26312.1



Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for:

D304 Nuleaf Naturals

Batch ID or Lot Number: Test: Reported: Location: 1550 Larimer St #964 LB-O-60357 **Microbial** 2/2/23 Denver, CO 80202 **Contaminants** Started: **USDA License:** Matrix: Test ID: General/Other T000234127 1/30/23 N/A

Status:Methods:Received:Sampler ID:ActiveTM25 (qPCR)01/27/2023 @ 01:44 PMN/A

TM24, TM26, TM27(Culture Plating):

Microbial

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	QUANTITATION RANGE	Result
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	2.0x10^3 - 3.0x10^5 CFU/g	None Detected
Total Coliforms*	TM-27, Culture Plating	10^1 CFU/g	1.0x10^2 - 1.5x10^4 CFU/g	None Detected
Total Yeast and Mold*	TM-24, Culture Plating	10^1 CFU/g	2.0x10^2 - 3.0x10^4 CFU/g	None Detected
STEC	TM-25, PCR	10^0 CFU/25 g	N/A	Absent
Salmonella	TM-25, PCR	10^0 CFU/25 g	N/A	Absent

NotesFree from visual mold, mildew, and foreign

matter

Redt Rehm

Brett Hudson 2/2/2023 3:35:00 PM

Buanne Maillot

Brianne Maillot 2/2/2023 4:33:00 PM

PREPARED BY / DATE

Certificate Number 4329.01

APPROVED BY / DATE

Definitions

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

* 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 CFU 10^4 = 10,000 CFU 10^5 = 100,000 CFU

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Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D304

Batch ID or Lot Number: LB-O-60357	Test: Pesticides	Reported: 03Feb2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000234126	01Feb2023	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	27Jan2023	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	292 - 2707	ND
Acephate	45 - 2767	ND
Acetamiprid	44 - 2758	ND
Azoxystrobin	43 - 2747	ND
Bifenazate	39 - 2732	ND
Boscalid	35 - 2700	ND
Carbaryl	45 - 2731	ND
Carbofuran	44 - 2717	ND
Chlorantraniliprole	43 - 2666	ND
Chlorpyrifos	50 - 2713	ND
Clofentezine	270 - 2767	ND
Diazinon	276 - 2752	ND
Dichlorvos	278 - 2771	ND
Dimethoate	41 - 2761	ND
E-Fenpyroximate	289 - 2734	ND
Etofenprox	42 - 2774	ND
Etoxazole	298 - 2712	ND
Fenoxycarb	42 - 2767	ND
Fipronil	51 - 2704	ND
Flonicamid	50 - 2802	ND
Fludioxonil	288 - 2756	ND
Hexythiazox	41 - 2761	ND
Imazalil	263 - 2758	ND
Imidacloprid	44 - 2755	ND
Kresoxim-methyl	41 - 2798	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	289 - 2718	ND
Metalaxyl	44 - 2730	ND
Methiocarb	45 - 2709	ND
Methomyl	41 - 2762	ND
MGK 264 1	168 - 1637	ND
MGK 264 2	120 - 1139	ND
Myclobutanil	43 - 2701	ND
Naled	42 - 2772	ND
Oxamyl	43 - 2764	ND
Paclobutrazol	40 - 2735	ND
Permethrin	280 - 2765	ND
Phosmet	40 - 2744	ND
Prophos	293 - 2662	ND
Propoxur	42 - 2724	ND
Pyridaben	293 - 2751	ND
Spinosad A	35 - 2244	ND
Spinosad D	49 - 498	ND
Spiromesifen	281 - 2750	ND
Spirotetramat	272 - 2754	ND
Spiroxamine 1	20 - 1148	ND
Spiroxamine 2	21 - 1557	ND
Tebuconazole	296 - 2732	ND
Thiacloprid	42 - 2746	ND
Thiamethoxam	42 - 2770	ND
Trifloxystrobin	44 - 2749	ND

Final Approval



Karen Winternheimer 03Feb2023 09:29:00 AM MST

Samantha Smoth

Sam Smith 03Feb2023 09:39:00 AM MST



APPROVED BY / DATE

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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

D304

Batch ID or Lot Number: LB-O-60357	Test:	Reported:	USDA License:
	Residual Solvents	31Jan2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000234129	31Jan2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	27Jan2023	Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	119 - 2380	ND	
Butanes (Isobutane, n-Butane)	248 - 4960	ND	_
Methanol	75 - 1505	ND	_
Pentane	124 - 2490	ND	_
Ethanol	120 - 2397	ND	_
Acetone	122 - 2443	ND	_
Isopropyl Alcohol	124 - 2472	ND	_
Hexane	8 - 150	ND	_
Ethyl Acetate	124 - 2484	ND	_
Benzene	0.3 - 5.2	ND	_
Heptanes	133 - 2659	ND	_
Toluene	23 - 461	ND	_
Xylenes (m,p,o-Xylenes)	170 - 3402	ND	_

Final Approval

Samantha Smoll

Sam Smith 31Jan2023 02:45:00 PM MST

Winternheumer
APPROVED BY / DATE

Karen Winternheimer 31Jan2023 02:48:00 PM MST



PREPARED BY / DATE

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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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CDPHE Certified d9a8c28afd1e4c27a20ee3a5e0da526c.1



Prepared for:

Nuleaf Naturals

1550 Larimer St #964 Denver, CO USA 80202

D304

Batch ID or Lot Number: LB-O-60357	Test: Mycotoxins	Reported: 02Feb2023	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000234130	01Feb2023	N/A
	Method(s):	Received:	Status:
	TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	27Jan2023	Active

Dynamic Range (ppb)	Result (ppb)	Notes	
3.81 - 130.81	ND	N/A	
0.91 - 33.17	ND		
0.94 - 33.27	ND		
1.03 - 32.75	ND		
1.07 - 33.24	ND		
and G2)	ND		
	0.91 - 33.17 0.94 - 33.27 1.03 - 32.75 1.07 - 33.24	0.91 - 33.17 ND 0.94 - 33.27 ND 1.03 - 32.75 ND 1.07 - 33.24 ND	0.91 - 33.17 ND 0.94 - 33.27 ND 1.03 - 32.75 ND 1.07 - 33.24 ND

Final Approval



Sam Smith 02Feb2023 07:24:00 AM MST

PREPARED BY / DATE



Karen Winternheimer 02Feb2023 07:29:00 AM MST



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Definitions

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