

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

R30-BBD

Batch ID or Lot Number: D2345	Test: Potency	Reported: 26Aug2022	USDA License: N/A
Matrix: Solution	Test ID: T000219250	Started: 25Aug2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 24Aug2022	Status: N/A

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.202	0.571	2.070	2.30	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.185	0.522	ND	ND	
Cannabidiol (CBD)	0.419	1.485	31.580	34.30	
Cannabidiolic Acid (CBDA)	0.430	1.524	ND	ND	
Cannabidivarin (CBDV)	0.099	0.351	0.110	0.10	
Cannabidivarinic Acid (CBDVA)	0.179	0.636	ND	ND	
Cannabigerol (CBG)	0.115	0.324	2.510	2.70	
Cannabigerolic Acid (CBGA)	0.479	1.355	ND	ND	
Cannabinol (CBN)	0.149	0.423	2.070	2.30	
Cannabinolic Acid (CBNA)	0.327	0.925	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.570	1.615	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.518	1.466	0.950	1.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.459	1.299	ND	ND	
Tetrahydrocannabivarin (THCV)	0.104	0.295	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.405	1.146	ND	ND	
Total Cannabinoids			39.290	42.71	
Total Potential THC			0.950	1.03	
Total Potential CBD			31.580	34.33	

Final Approval



Jacob Miller
26Aug2022
03:19:00 PM MDT

PREPARED BY / DATE



Sam Smith
26Aug2022
03:26:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/3a3edab7-e85d-439f-a91f-e0c5d8126b0d>

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

R30-BBD

Batch ID or Lot Number: D2345	Test: Heavy Metals	Reported: 06Sep2022	USDA License: NA
Matrix: Unit	Test ID: T000219254	Started: 29Aug2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 24Aug2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.72	ND	
Cadmium	0.05 - 4.81	ND	
Mercury	0.04 - 4.45	ND	
Lead	0.05 - 5.01	ND	

Final Approval



Sam Smith
29Aug2022
05:15:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
30Aug2022
06:03:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/541028f3-5d7a-4634-9644-3502823464d5>

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:
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1550 LARIMER ST. #964
DENVER, CO USA 80202

R30-BBD

Batch ID or Lot Number: D2345	Test: Microbial Contaminants	Reported: 28Aug2022	USDA License: NA
Matrix: Finished Product	Test ID: T000219253	Started: 24Aug2022	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 24Aug2022	Status: NA

Microbial Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/g	NA	Absent	
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



Brianne Maillot
27Aug2022
03:10:00 PM MDT



Brett Hudson
28Aug2022
02:54:00 PM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/3e4c9899-89e3-4ce4-9299-12b979f7ada5>

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:
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1550 LARIMER ST. #964
DENVER, CO USA 80202

R30-BBD


Batch ID or Lot Number: D2345	Test: Pesticides	Reported: 29Aug2022	USDA License: NA
Matrix: Concentrate	Test ID: T000219252	Started: 25Aug2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 24Aug2022	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	326 - 2612	ND
Acephate	52 - 2697	ND
Acetamiprid	44 - 2694	ND
Azoxystrobin	38 - 2757	ND
Bifenazate	48 - 2758	ND
Boscalid	57 - 2681	ND
Carbaryl	44 - 2755	ND
Carbofuran	40 - 2758	ND
Chlorantraniliprole	55 - 2676	ND
Chlorpyrifos	46 - 2802	ND
Clofentezine	276 - 2832	ND
Diazinon	289 - 2832	ND
Dichlorvos	308 - 2682	ND
Dimethoate	47 - 2672	ND
E-Fenpyroximate	300 - 2780	ND
Etofenprox	49 - 2713	ND
Etoxazole	295 - 2780	ND
Fenoxycarb	42 - 2814	ND
Fipronil	2 - 2763	ND
Flonicamid	46 - 2720	ND
Fludioxonil	341 - 2606	ND
Hexythiazox	48 - 2764	ND
Imazalil	297 - 2797	ND
Imidacloprid	46 - 2646	ND
Kresoxim-methyl	52 - 2807	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	278 - 2825	ND
Metalaxyl	38 - 2779	ND
Methiocarb	48 - 2694	ND
Methomyl	50 - 2686	ND
MGK 264 1	139 - 1646	ND
MGK 264 2	116 - 1153	ND
Myclobutanil	51 - 2644	ND
Naled	51 - 2682	ND
Oxamyl	45 - 2670	ND
Pacllobutrazol	40 - 2792	ND
Permethrin	330 - 2715	ND
Phosmet	40 - 2848	ND
Prophos	314 - 2690	ND
Propoxur	41 - 2754	ND
Pyridaben	290 - 2793	ND
Spinosad A	35 - 2268	ND
Spinosad D	62 - 488	ND
Spiromesifen	307 - 2754	ND
Spirotetramat	333 - 2721	ND
Spiroxamine 1	24 - 1156	ND
Spiroxamine 2	32 - 1528	ND
Tebuconazole	271 - 2876	ND
Thiacloprid	39 - 2704	ND
Thiamethoxam	43 - 2740	ND
Trifloxystrobin	38 - 2805	ND

Final Approval



Sam Smith
29Aug2022
05:25:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
29Aug2022
05:28:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/60d5fd11-71e0-408c-81e7-a97d5048510f>

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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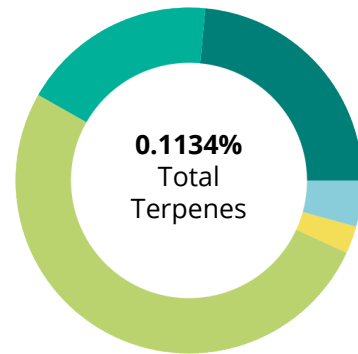
1550 LARIMER ST. #964
DENVER, CO USA 80202

R30-BBD

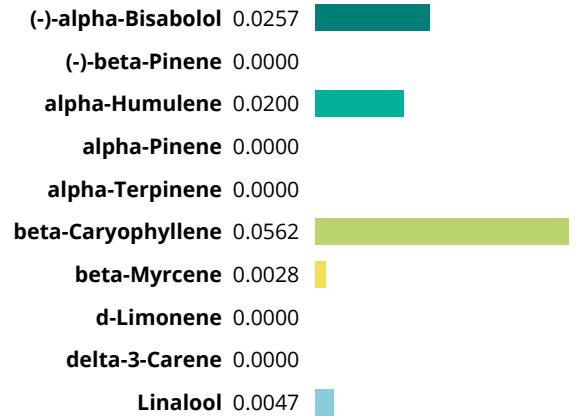
Batch ID or Lot Number: D2345	Test: Terpenes	Reported: 30Aug2022	USDA License: NA
Matrix: Solution	Test ID: T000219251	Started: 26Aug2022	Sampler ID: NA
	Method(s): TM22 (GC-MS)	Received: 24Aug2022	Status: NA

Terpenes

Terpenes	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0257	0.257
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0200	0.200
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0562	0.562
beta-Myrcene	0.0028	0.028
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0000	0.0000
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0047	0.047
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0040	0.040
Total	0.1134	1.1340



PREDOMINANT TERPENES



Notes

Final Approval



Daniel Weidensaul
30Aug2022
09:04:00 AM MDT

PREPARED BY / DATE



Jacob Miller
30Aug2022
09:06:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/e4647902-886c-44fa-8199-dadb3b5ae719>

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

R30-BBD

Batch ID or Lot Number: D2345	Test: Residual Solvents	Reported: 25Aug2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000219255	Started: 25Aug2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 24Aug2022	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	71 - 1428	ND	
Butanes (Isobutane, n-Butane)	149 - 2978	ND	
Methanol	47 - 931	ND	
Pentane	77 - 1549	ND	
Ethanol	76 - 1527	ND	
Acetone	76 - 1525	ND	
Isopropyl Alcohol	81 - 1620	ND	
Hexane	5 - 93	ND	
Ethyl Acetate	77 - 1535	ND	
Benzene	0.2 - 3.2	ND	
Heptanes	80 - 1603	ND	
Toluene	14 - 274	ND	
Xylenes (m,p,o-Xylenes)	102 - 2047	ND	

Final Approval



Jacob Miller
25Aug2022
05:08:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
25Aug2022
05:08:00 PM MDT

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<https://results.botanacor.com/api/v1/coas/uuid/b2794403-1ad6-4374-a37f-f4c2e4061cb3>

Definitions

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