SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
NED & CO. LLC
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Balance Blend 600mg Batch 011

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-BAL-600-B011	**Potency**	**24May2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Solution	T000244499	22May2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	19May2023	N/A

Cannabinoids

	LOD (mg/mL)	**LOQ** (mg/mL)	**Result** (mg/mL)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.060	0.194	0.990	1.10	Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.055	0.178	ND	ND	
Cannabidiol (CBD)	0.161	0.494	22.310	23.70	
Cannabidiolic Acid (CBDA)	0.165	0.507	ND	ND	
Cannabidivarin (CBDV)	0.038	0.117	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.069	0.211	ND	ND	
Cannabigerol (CBG)	0.034	0.110	ND	ND	
Cannabigerolic Acid (CBGA)	0.143	0.462	ND	ND	
Cannabinol (CBN)	0.045	0.144	ND	ND	
Cannabinolic Acid (CBNA)	0.098	0.315	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.171	0.550	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.155	0.499	0.850	0.90	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.138	0.442	ND	ND	
Tetrahydrocannabivarin (THCV)	0.031	0.100	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.121	0.390	ND	ND	
Total Cannabinoids			**24.150**	**25.70**	
Total Potential THC			0.850	0.90	
Total Potential CBD			22.310	23.70	

Final Approval

Karen Winternheimer
24May2023
12:49:00 PM MDT
PREPARED BY / DATE

Sam Smith
24May2023
12:51:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/aa2d35b3-ea65-47fb-9632-6994c86256b5

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
aa2d35b3ea6547fb96326994c86256b5.1

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
NED & CO. LLC
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Balance Blend 600mg Batch 011

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-BAL-600-B011	**Trace THC**	**24May2023**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000244500	22May2023	NA
	Method(s):	Received:	Status:
	TM20 (HPLC-DAD)	19May2023	NA

Cannabinoids

	Dynamic Range (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.697	0.091	0.91	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.396	ND	0.00	N/A
Total Potential THC	**-**	**0.091**	**0.91**	

Final Approval

Sam Smith
24May2023
11:35:00 AM MDT
PREPARED BY / DATE

Karen Winternheimer
24May2023
12:08:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/59c9f6cf-343c-42a9-ac13-036f7e16766f

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product)
Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877))
ND = None Detected (defined by dynamic range of the method)
ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Cert #4329.02
59c9f6cf343c42a9ac13036f7e16766f.1

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

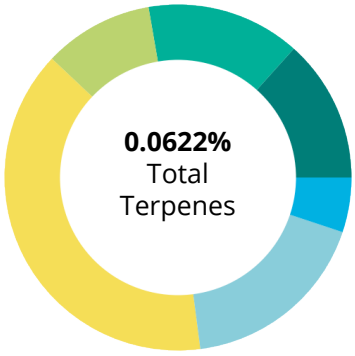
Prepared for:
NED & CO. LLC
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Balance Blend 600mg Batch 011

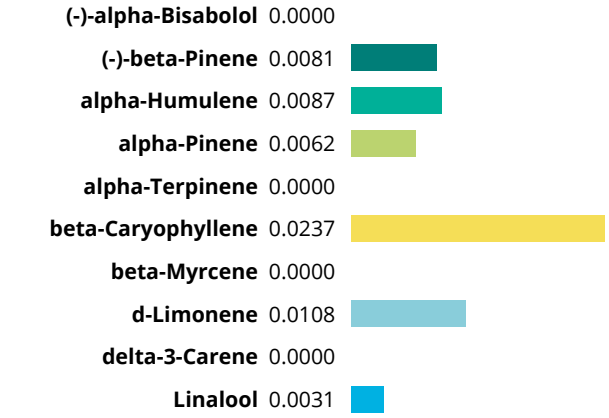
Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-BAL-600-B011	**Terpenes**	**24May2023**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000244501	18May2023	NA
	Method(s):	Received:	Status:
	TM22 (GC-MS)	19May2023	NA

Terpenes

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0081	0.081
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0087	0.087
alpha-Pinene	0.0062	0.062
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0237	0.237
beta-Myrcene	0.0000	0.0000
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0108	0.108
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0031	0.031
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0016	0.016
	0.0622	**0.6220**



PREDOMINANT TERPENES



Notes

Final Approval

Karen Winternheimer
24May2023
03:03:00 PM MDT
PREPARED BY / DATE

Sam Smith
24May2023
03:11:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/b4d835d9-dcfd-4945-a201-4be33f6551d2

Cert #4329.02
b4d835d9dcfd4945a2014be33f6551d2.1

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
NED & CO. LLC
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

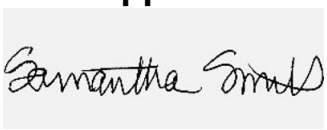
NED Balance Blend 600mg Batch 011

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-BAL-600-B011	**Residual Solvents**	**23May2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000244505	23May2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	19May2023	Active

Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	98 - 1952	ND	
Butanes (Isobutane, n-Butane)	199 - 3987	ND	
Methanol	58 - 1151	ND	
Pentane	98 - 1968	ND	
Ethanol	104 - 2077	ND	
Acetone	98 - 1957	ND	
Isopropyl Alcohol	105 - 2091	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	99 - 1972	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	98 - 1959	ND	
Toluene	18 - 366	ND	
Xylenes (m,p,o-Xylenes)	138 - 2766	ND	

Final Approval



Sam Smith
23May2023
03:47:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
23May2023
03:56:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/bb837181-7691-4781-8ec8-aa5fe5436f49

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

Cert #4329.02
bb837181769147818ec8aa5fe5436f49.1

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
NED & CO. LLC
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Balance Blend 600mg Batch 011

Batch ID or Lot Number: **NED-BAL-600-B011**	Test: **Microbial Contaminants**	Reported: **25May2023**	USDA License: NA
Matrix: Finished Product	Test ID: T000244503	Started: 22May2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 19May2023	Status: NA

Microbial 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	
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

Brett Hudson
25May2023
02:55:00 PM MDT
PREPARED BY / DATE

Eden Thompson-Wright
25May2023
04:14:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/02475c58-5e27-44e6-a8ad-c438ed1c57ea

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
02475c585e2744e6a8adc438ed1c57ea.1

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
NED & CO. LLC
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Balance Blend 600mg Batch 011

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-BAL-600-B011	**Heavy Metals**	**22May2023**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000244504	19May2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	19May2023	NA

Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.53	ND	
Cadmium	0.04 - 4.47	ND	
Mercury	0.05 - 4.60	ND	
Lead	0.04 - 4.50	ND	

Final Approval

Sam Smith
22May2023
07:47:00 AM MDT
PREPARED BY / DATE

Karen Winternheimer
22May2023
07:49:00 AM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/14191451-cd41-4655-8ebd-ff8137f5b9e5

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

Cert #4329.02
14191451cd4146558ebdff8137f5b9e5.1

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
NED & CO. LLC
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Balance Blend 600mg Batch 011

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-BAL-600-B011	**Pesticides**	**25May2023**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000244502	23May2023	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	19May2023	NA

Pesticides

	Dynamic Range (ppb)	**Result** (ppb)
Abamectin	272 - 2715	ND
Acephate	44 - 2775	ND
Acetamiprid	44 - 2747	ND
Azoxystrobin	45 - 2714	ND
Bifenazate	39 - 2690	ND
Boscalid	31 - 2648	ND
Carbaryl	43 - 2748	ND
Carbofuran	41 - 2718	ND
Chlorantraniliprole	44 - 2660	ND
Chlorpyrifos	40 - 2733	ND
Clofentezine	291 - 2714	ND
Diazinon	281 - 2707	ND
Dichlorvos	272 - 2769	ND
Dimethoate	43 - 2729	ND
E-Fenpyroximate	270 - 2726	ND
Etofenprox	41 - 2666	ND
Etoxazole	292 - 2672	ND
Fenoxycarb	14 - 2725	ND
Fipronil	28 - 2650	ND
Flonicamid	54 - 2811	ND
Fludioxonil	278 - 2651	ND
Hexythiazox	43 - 2705	ND
Imazalil	276 - 2741	ND
Imidacloprid	50 - 2785	ND
Kresoxim-methyl	45 - 2723	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	288 - 2719	ND
Metalaxyl	39 - 2714	ND
Methiocarb	46 - 2692	ND
Methomyl	45 - 2768	ND
MGK 264 1	167 - 1674	ND
MGK 264 2	101 - 1063	ND
Myclobutanil	47 - 2722	ND
Naled	52 - 2771	ND
Oxamyl	46 - 2772	ND
Paclobutrazol	44 - 2722	ND
Permethrin	260 - 2692	ND
Phosmet	42 - 2726	ND
Prophos	304 - 2666	ND
Propoxur	43 - 2740	ND
Pyridaben	294 - 2663	ND
Spinosad A	33 - 2083	ND
Spinosad D	64 - 658	ND
Spiromesifen	258 - 2708	ND
Spirotetramat	265 - 2777	ND
Spiroxamine 1	20 - 1162	ND
Spiroxamine 2	25 - 1480	ND
Tebuconazole	286 - 2782	ND
Thiacloprid	42 - 2728	ND
Thiamethoxam	46 - 2775	ND
Trifloxystrobin	42 - 2708	ND

Final Approval

Alex Benson
25May2023
12:41:00 PM MDT
PREPARED BY / DATE

Phillip Travisano
25May2023
02:50:00 PM MDT
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/f1264bcc-29ad-4b7b-b7fe-09219800e43a

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

Cert #4329.02
f1264bcc29ad4b7bb7fe09219800e43a.1