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CERTIFICATE OF ANALYSIS

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

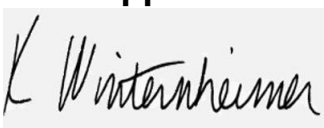
Ned Daily Blend 1500mg Batch 034

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-FSO-1500-B034	**Potency**	**17Feb2022**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Solution	T000192806	16Feb2022	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	14Feb2022	N/A

Cannabinoids

	LOD (mg/mL)	**LOQ** (mg/mL)	**Result** (mg/mL)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.043	0.147	2.060	2.20	Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.039	0.134	ND	ND	
Cannabidiol (CBD)	0.110	0.430	51.020	54.30	
Cannabidiolic Acid (CBDA)	0.113	0.441	ND	ND	
Cannabidivarin (CBDV)	0.026	0.102	0.220	0.20	
Cannabidivarinic Acid (CBDVA)	0.047	0.184	ND	ND	
Cannabigerol (CBG)	0.024	0.083	2.480	2.60	
Cannabigerolic Acid (CBGA)	0.101	0.349	ND	ND	
Cannabinol (CBN)	0.032	0.109	0.100	0.10	
Cannabinolic Acid (CBNA)	0.069	0.238	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.121	0.416	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.110	0.377	2.170	2.30	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.097	0.334	ND	ND	
Tetrahydrocannabivarin (THCV)	0.022	0.076	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.086	0.295	ND	ND	
Total Cannabinoids			**58.050**	**61.76**	
Total Potential THC**			2.170	2.31	
Total Potential CBD**			51.020	54.28	

Final Approval



Karen Winternheimer
17Feb2022
01:16:00 PM MST
PREPARED BY / DATE

Ryan Weems
17Feb2022
01:18:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/b36b27f9-1918-413b-a031-d120244a8da1

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)).

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

Ned Daily Blend 1500mg Batch 034

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-FSO-1500-B034	**Trace THC**	**01Mar2022**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000192807	21Feb2022	NA
	Method(s):	Received:	Status:
	TM20 (HPLC-DAD)	14Feb2022	NA

Cannabinoids

	Dynamic Range (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.687	0.232	2.32	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.376	ND	0.00	N/A
Total Potential THC*	**-**	**0.232**	**2.32**	

Final Approval

Daniel Weidensaul
22Feb2022
01:06:00 PM MST
PREPARED BY / DATE

Ryan Weems
22Feb2022
01:09:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/5ae6cbe3-9897-4386-9e91-03dfdb92455c

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
5ae6cbe3989743869e9103dfdb92455c.2

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CERTIFICATE OF ANALYSIS

Prepared for:

NED & CO. LLC

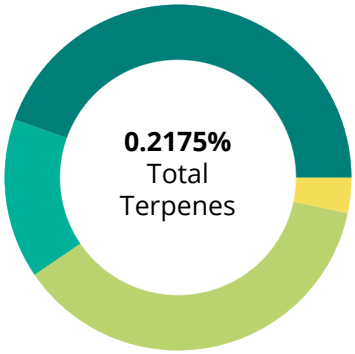
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

Ned Daily Blend 1500mg Batch 034

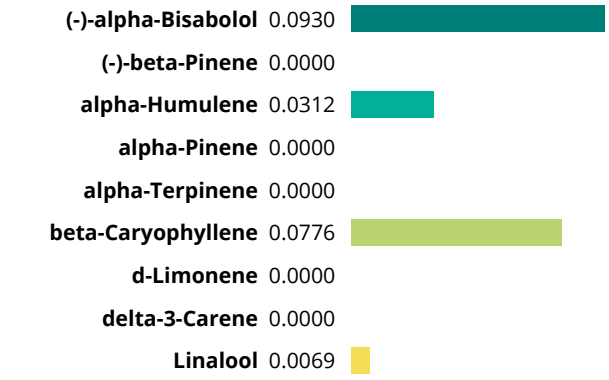
Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-FSO-1500-B034	**Terpenes**	**01Mar2022**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000192808	16Feb2022	NA
	Method(s):	Received:	Status:
	TM22 (GC-MS)	14Feb2022	NA

Terpenes

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0930	0.930
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0312	0.312
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0776	0.776
beta-Myrcene	0.0029	0.029
beta-Ocimene	0.0006	0.006
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	0.0069	0.069
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0053	0.053
	0.2175	**2.1750**



PREDOMINANT TERPENES



Notes

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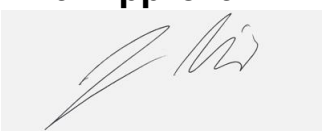

Jacob Miller
17Feb2022
11:53:00 AM MST

PREPARED BY / DATE

Ryan Weems
17Feb2022
11:56:00 AM MST

APPROVED BY / DATE

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

Ned Daily Blend 1500mg Batch 034

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-FSO-1500-B034	**Residual Solvents**	**18Feb2022**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000192812	18Feb2022	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	14Feb2022	N/A

Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	89 - 1773	ND	
Butanes (Isobutane, n-Butane)	180 - 3594	ND	
Methanol	61 - 1228	ND	
Pentane	92 - 1834	ND	
Ethanol	96 - 1917	ND	
Acetone	98 - 1959	ND	
Isopropyl Alcohol	102 - 2031	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	98 - 1969	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	96 - 1914	ND	
Toluene	18 - 358	ND	
Xylenes (m,p,o-Xylenes)	130 - 2609	ND	

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Hannah Wright
19Feb2022
06:14:00 PM MST

PREPARED BY / DATE

Ryan Weems
19Feb2022
06:15:00 PM MST

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/624a074c-8376-4768-8690-f753c22a2cfc

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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624a074c837647688690f753c22a2cfc.1

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CERTIFICATE OF ANALYSIS

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

Ned Daily Blend 1500mg Batch 034

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-FSO-1500-B034	**Pesticides**	**17Feb2022**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000192809	16Feb2022	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	14Feb2022	NA

Pesticides

	Dynamic Range (ppb)	**Result** (ppb)
Abamectin	314 - 2696	ND
Acephate	43 - 2787	ND
Acetamiprid	40 - 2768	ND
Azoxystrobin	43 - 2742	ND
Bifenazate	43 - 2730	ND
Boscalid	38 - 2744	ND
Carbaryl	40 - 2740	ND
Carbofuran	42 - 2724	ND
Chlorantraniliprole	49 - 2714	ND
Chlorpyrifos	46 - 2760	ND
Clofentezine	285 - 2753	ND
Diazinon	290 - 2772	ND
Dichlorvos	281 - 2756	ND
Dimethoate	41 - 2744	ND
E-Fenpyroximate	288 - 2736	ND
Etofenprox	42 - 2753	ND
Etoxazole	295 - 2737	ND
Fenoxycarb	45 - 2756	ND
Fipronil	40 - 2762	ND
Flonicamid	44 - 2790	ND
Fludioxonil	314 - 2735	ND
Hexythiazox	44 - 2754	ND
Imazalil	267 - 2775	ND
Imidacloprid	42 - 2737	ND
Kresoxim-methyl	44 - 2759	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	292 - 2740	ND
Metalaxyl	43 - 2753	ND
Methiocarb	43 - 2731	ND
Methomyl	40 - 2785	ND
MGK 264 1	161 - 1620	ND
MGK 264 2	115 - 1133	ND
Myclobutanil	39 - 2742	ND
Naled	48 - 2760	ND
Oxamyl	42 - 2778	ND
Paclobutrazol	43 - 2734	ND
Permethrin	306 - 2744	ND
Phosmet	41 - 2744	ND
Prophos	298 - 2750	ND
Propoxur	42 - 2732	ND
Pyridaben	292 - 2774	ND
Spinosad A	31 - 2244	ND
Spinosad D	46 - 498	ND
Spiromesifen	276 - 2767	ND
Spirotetramat	291 - 2749	ND
Spiroxamine 1	17 - 1170	ND
Spiroxamine 2	23 - 1542	ND
Tebuconazole	285 - 2750	ND
Thiacloprid	42 - 2756	ND
Thiamethoxam	43 - 2801	ND
Trifloxystrobin	42 - 2753	ND

Final Approval

Sam Smith
17Feb2022
02:00:00 PM MST

PREPARED BY / DATE

Daniel Weidensaul
17Feb2022
02:11:00 PM MST

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/f26c47c6-56c0-4817-b0f9-1b578bc28d3e

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

Ned Daily Blend 1500mg Batch 034

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-FSO-1500-B034	**Microbial Contaminants**	**21Feb2022**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000192810	15Feb2022	NA
	Method(s): TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Received: 14Feb2022	Status: NA

Microbial Contaminants

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10^0 CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10^0 CFU/g	NA	Absent	None Detected
Total Yeast and Mold*	TM24: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	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
18Feb2022
01:10:00 PM MST
PREPARED BY / DATE

Sarah Henning
19Feb2022
10:18:00 PM MST
APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/1ef6b8fa-fa61-4e10-a92d-102b93299637

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

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

Ned Daily Blend 1500mg Batch 034

Batch ID or Lot Number:	Test:	Reported:	USDA License:
NED-FSO-1500-B034	**Heavy Metals**	**21Feb2022**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000192811	18Feb2022	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	14Feb2022	NA

Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.04 - 4.34	ND	
Cadmium	0.04 - 4.45	ND	
Mercury	0.04 - 4.49	ND	
Lead	0.04 - 4.01	ND	

Final Approval

Kayla Phye
22Feb2022
05:29:00 PM MST

PREPARED BY / DATE

Ryan Weems
22Feb2022
05:44:00 PM MST

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/a20e86ae-2705-4dcc-af27-7439254fbc19

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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