

Prepared for:
NED & CO. LLC

5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Sleep Blend 750mg Batch 015

Batch ID or Lot Number: NED-SB-750-B015	Test: Potency	Reported: 28Sep2022	USDA License: N/A
Matrix: Solution	Test ID: T000222571	Started: 27Sep2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 26Sep2022	Status: N/A

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.052	0.167	1.070	1.10	Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.047	0.153	ND	ND	
Cannabidiol (CBD)	0.141	0.436	25.690	27.30	
Cannabidiolic Acid (CBDA)	0.145	0.447	ND	ND	
Cannabidivarin (CBDV)	0.033	0.103	0.100	0.10	
Cannabidivarinic Acid (CBDVA)	0.060	0.187	ND	ND	
Cannabigerol (CBG)	0.029	0.095	1.210	1.30	
Cannabigerolic Acid (CBGA)	0.122	0.397	ND	ND	
Cannabinol (CBN)	0.038	0.124	2.640	2.80	
Cannabinolic Acid (CBNA)	0.084	0.271	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.146	0.473	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.132	0.429	1.090	1.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.117	0.380	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.086	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.103	0.336	ND	ND	
Total Cannabinoids			31.800	33.83	
Total Potential THC			1.090	1.16	
Total Potential CBD			25.690	27.33	

Final Approval



Daniel Weidensaul
28Sep2022
03:54:00 PM MDT

PREPARED BY / DATE



Jacob Miller
28Sep2022
03:55:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/8b2ff1bd-1cca-4f65-a1b1-b8c456a16ba4>

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.



Cert #4329.02

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Prepared for:

NED & CO. LLC


5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Sleep Blend 750mg Batch 015

Batch ID or Lot Number: NED-SB-750-B015	Test: Trace THC	Reported: 29Sep2022	USDA License: NA
Matrix: Unit	Test ID: T000222572	Started: 28Sep2022	Sampler ID: NA
	Method(s): TM20 (HPLC-DAD)	Received: 26Sep2022	Status: NA

Cannabinoids	Dynamic Range (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.681	0.117	1.17	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.364	ND	0.00	N/A
Total Potential THC	-	0.117	1.17	

Final Approval



Sam Smith
29Sep2022
04:11:00 PM MDT

PREPARED BY / DATE



Jacob Miller
29Sep2022
04:17:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f283dbf3-bf51-422d-8ca4-7a49ef4ff2d3>

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

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Prepared for:
NED & CO. LLC

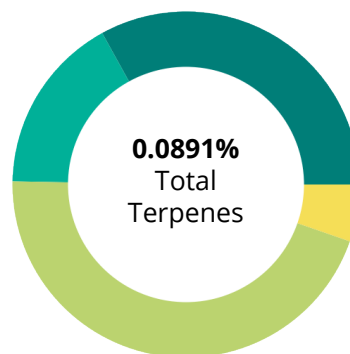
5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Sleep Blend 750mg Batch 015

Batch ID or Lot Number: NED-SB-750-B015	Test: Terpenes	Reported: 10Oct2022	USDA License: NA
Matrix: Concentrate	Test ID: T000222573	Started: 04Oct2022	Sampler ID: NA
	Method(s): TM22 (GC-MS)	Received: 26Sep2022	Status: NA

Terpenes

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0285	0.285
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0144	0.144
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0388	0.388
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	0.0000	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	0.0046	0.046
Ocimene	0.0004	0.004
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0024	0.024
	0.0891	0.8910



PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0285	
(-)-beta-Pinene	0.0000	
alpha-Humulene	0.0144	
alpha-Pinene	0.0000	
alpha-Terpinene	0.0000	
beta-Caryophyllene	0.0388	
beta-Myrcene	0.0000	
d-Limonene	0.0000	
delta-3-Carene	0.0000	
Linalool	0.0046	

Notes

Final Approval



Alex Benson
10Oct2022
11:23:00 AM MDT

PREPARED BY / DATE



Courtney Richards
10Oct2022
03:02:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4590e550-75ce-4901-a430-d83e3a79018e>

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Prepared for:
NED & CO. LLC


5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Sleep Blend 750mg Batch 015

Batch ID or Lot Number: NED-SB-750-B015	Test: Residual Solvents	Reported: 29Sep2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000222577	Started: 28Sep2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 26Sep2022	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	114 - 2284	ND	
Butanes (Isobutane, n-Butane)	238 - 4754	ND	
Methanol	70 - 1391	ND	
Pentane	122 - 2436	ND	
Ethanol	104 - 2073	ND	
Acetone	116 - 2316	ND	
Isopropyl Alcohol	102 - 2044	ND	
Hexane	7 - 144	ND	
Ethyl Acetate	113 - 2269	ND	
Benzene	0.2 - 4.4	ND	
Heptanes	117 - 2346	ND	
Toluene	18 - 365	ND	
Xylenes (m,p,o-Xylenes)	120 - 2406	ND	

Final Approval



Karen Winternheimer
29Sep2022
03:32:00 PM MDT

PREPARED BY / DATE



Jacob Miller
29Sep2022
03:35:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a840bf1b-248b-4066-91ea-ddf9fcd527cd>

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

NED Sleep Blend 750mg Batch 015

Batch ID or Lot Number: NED-SB-750-B015	Test: Microbial Contaminants	Reported: 30Sep2022	USDA License: NA
Matrix: Finished Product	Test ID: T000222575	Started: 26Sep2022	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 26Sep2022	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
<i>Salmonella</i>	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



Jacob Folkerts
29Sep2022
02:33:00 PM MDT



Brett Hudson
30Sep2022
09:38:00 AM MDT



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/bda7b501-7253-4168-8330-0d025f28c4b4>

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:
NED & CO. LLC

5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303


NED Sleep Blend 750mg Batch 015

Batch ID or Lot Number: NED-SB-750-B015	Test: Heavy Metals	Reported: 27Sep2022	USDA License: NA
Matrix: Unit	Test ID: T000222576	Started: 27Sep2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 26Sep2022	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.11	ND	
Cadmium	0.04 - 4.35	ND	
Mercury	0.04 - 4.42	ND	
Lead	0.04 - 4.12	ND	

Final Approval



Sam Smith
28Sep2022
07:49:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
28Sep2022
08:07:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/1bfbb0f6-c100-4b40-88ec-e6eba9d95969>

Definitions

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Prepared for:
NED & CO. LLC

5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Sleep Blend 750mg Batch 015

Batch ID or Lot Number: NED-SB-750-B015	Test: Pesticides	Reported: 28Sep2022	USDA License: NA
Matrix: Concentrate	Test ID: T000222574	Started: 27Sep2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 26Sep2022	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	258 - 2788	ND
Acephate	40 - 2777	ND
Acetamiprid	43 - 2718	ND
Azoxystrobin	50 - 2739	ND
Bifenazate	43 - 2730	ND
Boscalid	44 - 2781	ND
Carbaryl	41 - 2719	ND
Carbofuran	42 - 2717	ND
Chlorantraniliprole	46 - 2769	ND
Chlorpyrifos	67 - 2697	ND
Clofentezine	286 - 2773	ND
Diazinon	284 - 2700	ND
Dichlorvos	270 - 2744	ND
Dimethoate	43 - 2711	ND
E-Fenpyroximate	299 - 2730	ND
Etofenprox	42 - 2730	ND
Etoxazole	300 - 2688	ND
Fenoxycarb	46 - 2726	ND
Fipronil	47 - 2671	ND
Flonicamid	44 - 2735	ND
Fludioxonil	282 - 2791	ND
Hexythiazox	43 - 2709	ND
Imazalil	277 - 2761	ND
Imidacloprid	41 - 2705	ND
Kresoxim-methyl	47 - 2760	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	297 - 2704	ND
Metalaxyl	46 - 2717	ND
Methiocarb	44 - 2745	ND
Methomyl	41 - 2756	ND
MGK 264 1	178 - 1652	ND
MGK 264 2	110 - 1142	ND
Myclobutanil	35 - 2704	ND
Naled	44 - 2816	ND
Oxamyl	42 - 2743	ND
Paclobutrazol	42 - 2742	ND
Permethrin	291 - 2737	ND
Phosmet	47 - 2722	ND
Prophos	304 - 2712	ND
Propoxur	42 - 2737	ND
Pyridaben	296 - 2663	ND
Spinosad A	35 - 2256	ND
Spinosad D	49 - 498	ND
Spiromesifen	292 - 2721	ND
Spirotetramat	289 - 2803	ND
Spiroxamine 1	19 - 1185	ND
Spiroxamine 2	24 - 1554	ND
Tebuconazole	286 - 2710	ND
Thiacloprid	42 - 2716	ND
Thiamethoxam	41 - 2745	ND
Trifloxystrobin	45 - 2740	ND

Final Approval



Daniel Weidensaul
28Sep2022
03:23:00 PM MDT

PREPARED BY / DATE



Sam Smith
28Sep2022
03:28:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/6ef3595b-a097-4abf-8291-b61fc4c783b0>

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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