

Prepared for:  
**NED & CO. LLC**

5345 Arapahoe Ave STE 4  
BOULDER, CO USA 80303

## NED Brain Blend 750mg Batch 002

Batch ID or Lot Number: <b>NED-BRB-750-B002</b>	Test: <b>Potency</b>	Reported: <b>23Jun2023</b>	USDA License: N/A
Matrix: Solution	Test ID: T000246858	Started: 22Jun2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 20Jun2023	Status: N/A

### Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.061	0.170	0.940	1.00	Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.056	0.155	ND	ND	
Cannabidiol (CBD)	0.150	0.434	13.710	14.60	
Cannabidiolic Acid (CBDA)	0.154	0.445	ND	ND	
Cannabidivarin (CBDV)	0.036	0.103	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.064	0.186	ND	ND	
Cannabigerol (CBG)	0.035	0.096	12.220	13.00	
Cannabigerolic Acid (CBGA)	0.145	0.403	ND	ND	
Cannabinol (CBN)	0.045	0.126	ND	ND	
Cannabinolic Acid (CBNA)	0.099	0.275	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.173	0.480	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.157	0.436	0.730	0.80	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.139	0.386	ND	ND	
Tetrahydrocannabivarin (THCV)	0.032	0.088	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.123	0.341	ND	ND	
<b>Total Cannabinoids</b>			<b>27.600</b>	<b>29.40</b>	
Total Potential THC			0.730	0.80	
Total Potential CBD			13.710	14.60	

### Final Approval



Karen Winternheimer  
23Jun2023  
11:02:00 AM MDT

PREPARED BY / DATE



Sam Smith  
23Jun2023  
11:04:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7ad3677d-2ec7-4559-95d0-2c4031f39168>

**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:  
**NED & CO. LLC**


5345 Arapahoe Ave STE 4  
BOULDER, CO USA 80303

## NED Brain Blend 750mg Batch 002

Batch ID or Lot Number: <b>NED-BRB-750-B002</b>	Test: <b>Trace THC</b>	Reported: <b>26Jun2023</b>	USDA License: NA
Matrix: Unit	Test ID: T000246859	Started: 23Jun2023	Sampler ID: NA
	Method(s): TM20 (HPLC-DAD)	Received: 20Jun2023	Status: NA

Cannabinoids	Dynamic Range (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.691	0.075	0.75	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.384	ND	0.00	N/A
<b>Total Potential THC</b>	-	<b>0.075</b>	<b>0.75</b>	

## Final Approval



Sam Smith  
26Jun2023  
02:15:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer  
26Jun2023  
02:17:00 PM MDT

APPROVED BY / DATE



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**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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**NED & CO. LLC**

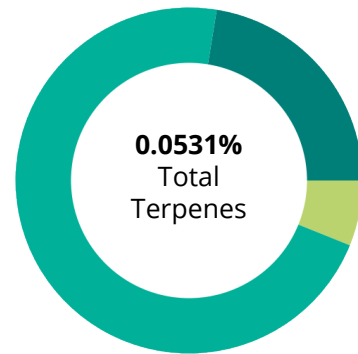
5345 Arapahoe Ave STE 4  
BOULDER, CO USA 80303

## NED Brain Blend 750mg Batch 002

Batch ID or Lot Number: <b>NED-BRB-750-B002</b>	Test: <b>Terpenes</b>	Reported: <b>23Jun2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000246860	Started: 22Jun2023	Sampler ID: NA
	Method(s): TM22 (GC-MS)	Received: 20Jun2023	Status: NA

### Terpenes

Terpenes	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0114	0.114
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0363	0.363
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	0.0031	0.031
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0023	0.023
<b>0.0531</b>	<b>0.5310</b>	



### PREDOMINANT TERPENES

(-)-alpha-Bisabolol	0.0000
(-)-beta-Pinene	0.0000
alpha-Humulene	0.0114
alpha-Pinene	0.0000
alpha-Terpinene	0.0000
beta-Caryophyllene	0.0363
beta-Myrcene	0.0000
d-Limonene	0.0000
delta-3-Carene	0.0000
Linalool	0.0031


### Notes

## Final Approval



PREPARED BY / DATE

Karen Winternheimer  
23Jun2023  
02:52:00 PM MDT



APPROVED BY / DATE

Sam Smith  
23Jun2023  
02:56:00 PM MDT



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Prepared for:  
**NED & CO. LLC**

5345 Arapahoe Ave STE 4  
BOULDER, CO USA 80303

## NED Brain Blend 750mg Batch 002

Batch ID or Lot Number: <b>NED-BRB-750-B002</b>	Test: <b>Residual Solvents</b>	Reported: <b>21Jun2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000246864	Started: 21Jun2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 20Jun2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	98 - 1950	ND	
Butanes (Isobutane, n-Butane)	196 - 3915	ND	
Methanol	59 - 1176	ND	
Pentane	99 - 1978	ND	
Ethanol	99 - 1978	ND	
Acetone	96 - 1927	ND	
Isopropyl Alcohol	99 - 1975	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	98 - 1959	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	98 - 1968	ND	
Toluene	17 - 340	ND	
Xylenes (m,p,o-Xylenes)	126 - 2519	ND	

## Final Approval



Karen Winternheimer  
21Jun2023  
03:45:00 PM MDT

PREPARED BY / DATE



Sam Smith  
21Jun2023  
03:48:00 PM MDT

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

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Prepared for:  
**NED & CO. LLC**

5345 Arapahoe Ave STE 4  
BOULDER, CO USA 80303


## NED Brain Blend 750mg Batch 002

Batch ID or Lot Number: <b>NED-BRB-750-B002</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>26Jun2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000246862	Started: 21Jun2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 20Jun2023	Status: NA

## Microbial Contaminants

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

## Final Approval



Eden Thompson-Wright  
26Jun2023  
10:05:00 AM MDT

PREPARED BY / DATE



Brianne Maillot  
26Jun2023  
04:48:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/07457120-06d9-45ea-969d-d5352b7a23eb>

### 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<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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**


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BOULDER, CO USA 80303

## NED Brain Blend 750mg Batch 002

Batch ID or Lot Number: <b>NED-BRB-750-B002</b>	Test: <b>Heavy Metals</b>	Reported: <b>25Jun2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000246863	Started: 22Jun2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 20Jun2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.03 - 3.03	ND	
Cadmium	0.05 - 4.73	ND	
Mercury	0.04 - 4.22	ND	
Lead	0.04 - 3.87	ND	

## Final Approval



Sam Smith  
25Jun2023  
10:53:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
25Jun2023  
11:08:00 AM MDT

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

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Prepared for:  
**NED & CO. LLC**


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BOULDER, CO USA 80303

## NED Brain Blend 750mg Batch 002

Batch ID or Lot Number: <b>NED-BRB-750-B002</b>	Test: <b>Pesticides</b>	Reported: <b>29Jun2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000246861	Started: 28Jun2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 20Jun2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	308 - 2726	ND	Malathion	288 - 2702	ND
Acephate	43 - 2716	ND	Metalaxyl	46 - 2683	ND
Acetamiprid	42 - 2723	ND	Methiocarb	42 - 2713	ND
Azoxystrobin	46 - 2669	ND	Methomyl	42 - 2746	ND
Bifenazate	44 - 2667	ND	MGK 264 1	165 - 1708	ND
Boscalid	34 - 2701	ND	MGK 264 2	103 - 1089	ND
Carbaryl	39 - 2722	ND	Myclobutanil	45 - 2719	ND
Carbofuran	43 - 2710	ND	Naled	44 - 2717	ND
Chlorantraniliprole	43 - 2726	ND	Oxamyl	41 - 2764	ND
Chlorpyrifos	39 - 2759	ND	Pacllobutrazol	46 - 2715	ND
Clofentezine	288 - 2741	ND	Permethrin	275 - 2730	ND
Diazinon	282 - 2686	ND	Phosmet	46 - 2656	ND
Dichlorvos	285 - 2755	ND	Prophos	293 - 2688	ND
Dimethoate	41 - 2731	ND	Propoxur	43 - 2714	ND
E-Fenpyroximate	272 - 2762	ND	Pyridaben	282 - 2760	ND
Etofenprox	43 - 2725	ND	Spinosad A	30 - 2076	ND
Etoxazole	278 - 2748	ND	Spinosad D	58 - 670	ND
Fenoxycarb	13 - 2670	ND	Spiromesifen	269 - 2733	ND
Fipronil	60 - 2716	ND	Spirotetramat	284 - 2693	ND
Flonicamid	52 - 2707	ND	Spiroxamine 1	18 - 1200	ND
Fludioxonil	306 - 2679	ND	Spiroxamine 2	24 - 1504	ND
Hexythiazox	40 - 2786	ND	Tebuconazole	287 - 2718	ND
Imazalil	267 - 2685	ND	Thiacloprid	41 - 2710	ND
Imidacloprid	45 - 2814	ND	Thiamethoxam	39 - 2741	ND
Kresoxim-methyl	45 - 2697	ND	Trifloxystrobin	44 - 2705	ND

## Final Approval



Karen Winternheimer  
29Jun2023  
10:44:00 AM MDT

PREPARED BY / DATE



Sam Smith  
29Jun2023  
10:46:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/75e6dff0-0ca8-4cde-a999-476b9475ad3f>

### 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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