

Prepared for:
NED & CO. LLC

5345 Arapahoe Ave STE 4
BOULDER, CO USA 80303

NED Brain Blend 750mg Batch 001

Batch ID or Lot Number: NED-BRB-750-B001	Test: Potency	Reported: 19Jul2022	USDA License: N/A
Matrix: Solution	Test ID: T000213799	Started: 13Jul2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 12Jul2022	Status: N/A

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.056	0.173	1.000	1.10	Amendment to 14July2022 report T000213799 due to transposition error. Batch ID and sample name corrected. Density = 0.94g/mL
Cannabichromenic Acid (CBCA)	0.051	0.158	ND	ND	
Cannabidiol (CBD)	0.144	0.453	13.260	14.10	
Cannabidiolic Acid (CBDA)	0.147	0.465	ND	ND	
Cannabidivarin (CBDV)	0.034	0.107	0.050	0.10	
Cannabidivarinic Acid (CBDVA)	0.061	0.194	ND	ND	
Cannabigerol (CBG)	0.032	0.098	13.160	14.00	
Cannabigerolic Acid (CBGA)	0.133	0.411	ND	ND	
Cannabinol (CBN)	0.042	0.128	0.050	0.10	
Cannabinolic Acid (CBNA)	0.091	0.280	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.159	0.489	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.144	0.444	0.790	0.80	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.128	0.394	ND	ND	
Tetrahydrocannabivarin (THCV)	0.029	0.089	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.113	0.347	ND	ND	
Total Cannabinoids			28.310	30.12	
Total Potential THC			0.790	0.84	
Total Potential CBD			13.260	14.11	

Final Approval



Daniel Weidensaul
19Jul2022
04:29:00 PM MDT



Jacob Miller
19Jul2022
04:35:00 PM MDT



PREPARED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/774dba63-2837-49a0-90a8-b36494706b7a>

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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. 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 001

Batch ID or Lot Number: NED-BRB-750-B001	Test: Trace THC	Reported: 19Jul2022	USDA License: NA
Matrix: Unit	Test ID: T000213619	Started: 15Jul2022	Sampler ID: NA
	Method(s): TM20 (HPLC-DAD)	Received: 11Jul2022	Status: NA

Cannabinoids	Dynamic Range (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.651	0.093	0.93	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.303	ND	0.00	N/A
Total Potential THC	-	0.093	0.93	

Final Approval



Daniel Weidensaul
19Jul2022
02:58:00 PM MDT

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Jacob Miller
19Jul2022
02:59:00 PM MDT

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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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Prepared for:
NED & CO. LLC

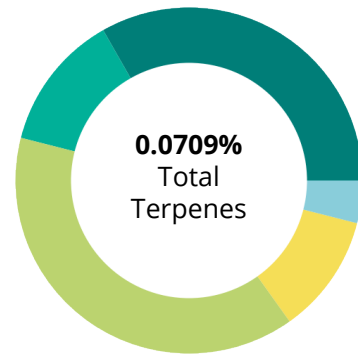
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BOULDER, CO USA 80303

NED Brain Blend 750mg Batch 001

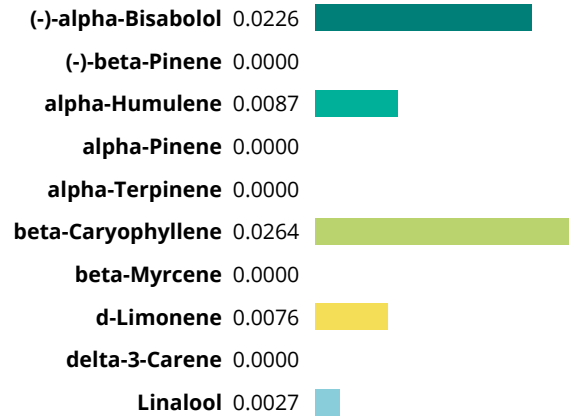
Batch ID or Lot Number: NED-BRB-750-B001	Test: Terpenes	Reported: 14Jul2022	USDA License: NA
Matrix: Concentrate	Test ID: T000213620	Started: 13Jul2022	Sampler ID: NA
	Method(s): TM22 (GC-MS)	Received: 11Jul2022	Status: NA

Terpenes

Terpenes	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0226	0.226
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0087	0.087
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0264	0.264
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	0.0076	0.076
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0010	0.010
Geraniol	0.0000	0.0000
Linalool	0.0027	0.027
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0019	0.019
0.0709	0.7090	



PREDOMINANT TERPENES



Notes

Final Approval



Daniel Weidensaul
14Jul2022
01:02:00 PM MDT

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Jacob Miller
14Jul2022
01:04:00 PM MDT

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BOULDER, CO USA 80303

NED Brain Blend 750mg Batch 001

Batch ID or Lot Number: NED-BRB-750-B001	Test: Residual Solvents	Reported: 13Jul2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000213624	Started: 12Jul2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 11Jul2022	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	62 - 1240	ND	
Butanes (Isobutane, n-Butane)	134 - 2683	ND	
Methanol	54 - 1078	ND	
Pentane	76 - 1527	ND	
Ethanol	80 - 1596	ND	
Acetone	85 - 1706	ND	
Isopropyl Alcohol	88 - 1765	ND	
Hexane	5 - 103	ND	
Ethyl Acetate	87 - 1730	ND	
Benzene	0.2 - 3.4	ND	
Heptanes	83 - 1663	ND	
Toluene	15 - 310	ND	
Xylenes (m,p,o-Xylenes)	113 - 2258	ND	

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Jacob Miller
13Jul2022
03:11:00 PM MDT

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Sam Smith
13Jul2022
03:13:00 PM MDT

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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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 5345 Arapahoe Ave STE 4
 BOULDER, CO USA 80303

NED Brain Blend 750mg Batch 001

Batch ID or Lot Number: NED-BRB-750-B001	Test: Microbial Contaminants	Reported: 14Jul2022	USDA License: NA
Matrix: Finished Product	Test ID: T000213622	Started: 12Jul2022	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 11Jul2022	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


 Brett Hudson
 14Jul2022
 11:10:00 AM MDT



 Eden Thompson-Wright
 14Jul2022
 02:24:00 PM MDT


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<https://results.botanacor.com/api/v1/coas/uuid/a19e5167-541f-449b-b272-67fa58b29e4f>
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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NED & CO. LLC

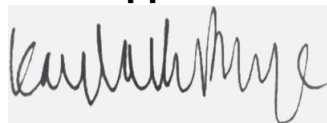
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BOULDER, CO USA 80303

NED Brain Blend 750mg Batch 001

Batch ID or Lot Number: NED-BRB-750-B001	Test: Heavy Metals	Reported: 14Jul2022	USDA License: NA
Matrix: Unit	Test ID: T000213623	Started: 13Jul2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 11Jul2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.52	ND	
Cadmium	0.05 - 4.55	ND	
Mercury	0.05 - 5.25	ND	
Lead	0.04 - 4.25	ND	

Final Approval



Kayla Phye
14Jul2022
04:20:00 PM MDT

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Daniel Weidensaul
14Jul2022
04:22:00 PM MDT

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Definitions

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NED & CO. LLC

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BOULDER, CO USA 80303

NED Brain Blend 750mg Batch 001

Batch ID or Lot Number: NED-BRB-750-B001	Test: Pesticides	Reported: 18Jul2022	USDA License: NA
Matrix: Concentrate	Test ID: T000213621	Started: 15Jul2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 11Jul2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	207 - 2684	ND	Malathion	291 - 2735	ND
Acephate	41 - 2818	ND	Metalaxyl	45 - 2749	ND
Acetamiprid	41 - 2742	ND	Methiocarb	41 - 2805	ND
Azoxystrobin	43 - 2730	ND	Methomyl	40 - 2778	ND
Bifenazate	42 - 2729	ND	MGK 264 1	174 - 1615	ND
Boscalid	48 - 2829	ND	MGK 264 2	106 - 1155	ND
Carbaryl	40 - 2740	ND	Myclobutanil	14 - 2811	ND
Carbofuran	39 - 2736	ND	Naled	45 - 2776	ND
Chlorantraniliprole	45 - 2819	ND	Oxamyl	40 - 2744	ND
Chlorpyrifos	39 - 2730	ND	Pacllobutrazol	42 - 2733	ND
Clofentezine	285 - 2736	ND	Permethrin	271 - 2736	ND
Diazinon	284 - 2760	ND	Phosmet	43 - 2747	ND
Dichlorvos	267 - 2755	ND	Prophos	298 - 2791	ND
Dimethoate	40 - 2725	ND	Propoxur	42 - 2728	ND
E-Fenpyroximate	286 - 2734	ND	Pyridaben	278 - 2696	ND
Etofenprox	42 - 2726	ND	Spinosad A	34 - 2262	ND
Etoxazole	282 - 2714	ND	Spinosad D	46 - 500	ND
Fenoxycarb	42 - 2741	ND	Spiromesifen	243 - 2742	ND
Fipronil	38 - 2747	ND	Spirotetramat	306 - 2720	ND
Flonicamid	51 - 2693	ND	Spiroxamine 1	18 - 1213	ND
Fludioxonil	304 - 2798	ND	Spiroxamine 2	25 - 1602	ND
Hexythiazox	41 - 2769	ND	Tebuconazole	297 - 2778	ND
Imazalil	276 - 2816	ND	Thiacloprid	41 - 2722	ND
Imidacloprid	46 - 2718	ND	Thiamethoxam	44 - 2766	ND
Kresoxim-methyl	46 - 2818	ND	Trifloxystrobin	44 - 2742	ND

Final Approval



Daniel Weidensaul
18Jul2022
10:22:00 AM MDT

PREPARED BY / DATE



Sam Smith
18Jul2022
10:25:00 AM MDT

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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
ppb = Parts Per Billion

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