

# Certificate of Analysis

ICAL ID: 20220406-035 Sample: CA220406-007-038 Ultra Sleep Therapy Softgels 45mg CBD + 25mg CBN Full Spectrum 2700mg CBD + 1500mg CBN Strain: Ultra Sleep Therapy Softgels 45mg CBD + 25mg CBN Full Spectrum 2700mg CBD + 1500mg CBN Category: Ingestible Neurogan, Inc. Lic. # 8821 Production Avenue San Diego, CA 92121

Lic.#

### **QA SAMPLE - INFORMATIONAL ONLY**

1 of 3

Batch#: DK20-7804 Batch Size Collected: Total Batch Size: Collected: 04/11/2022; Received: 04/11/2022 Completed: 04/11/2022

 $1 \mid \text{lnit} = \text{consule} \quad 0.77 \text{ g}$ 

MoistureΔ9-THCCBDTotal CannabinoidsTotal TerpenesNT<br/>Water Activity<br/>NT1.32 mg/unit45.15 mg/unit76.76 mg/unitNT

Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	POT-PREP-001 Low	04/07/2022	Complete
<b>Residual Solvents</b>	RS-PREP-001	04/07/2022	Pass
Microbials	MICRO-PREP-001	04/08/2022	Pass
Mycotoxins	PESTMYCO-LC-PREP-001	04/07/2022	Pass
Heavy Metals	HM-PREP-001	04/07/2022	Pass
Foreign Matter	FM-PREP-001	04/06/2022	Pass
Pesticides	PESTMYCO-LC-PREP-001/	04/07/2022	Pass
	PEST-GC-PREP-001		

## **Cannabinoid Profile**

Cannar		lie							TOUL	– capsui	e, 0.77 g.
Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/unit
THCa	0.1840	0.0462	ND	ND	ND	CBDV	0.1840	0.0211	0.056	0.56	0.43
∆9-THC	0.1840	0.0512	0.171	1.71	1.32	CBN	0.1840	0.0390	2.967	29.67	22.85
∆8-THC	0.1840	0.0253	ND	ND	ND	CBGa	0.1983	0.0661	ND	ND	ND
THCV	0.1840	0.0212	ND	ND	ND	CBG	0.1960	0.0653	0.139	1.39	1.07
CBDa	0.1840	0.0475	0.624	6.24	4.81	CBC	0.2275	0.0758	0.225	2.25	1.73
CBD	0.1840	0.0407	5.864	58.64	45.15	Total THC			0.17	1.71	1.32
						Total CBD			6.41	64.11	49.37
						Total			9.97	99.69	76.76

Total THC=THCa \* 0.877 + d9-THC; Total CBD = CBDa \* 0.877 + CBD. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005), Moisture:Moisture Analyzer(MOISTURE-001), Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client, All CA State Compliance sampled using SAMPL-SOP-001.

Terpene Profil	е						
Analyte	LOQ (mg/g)	LOD (mg/g) %	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	% mg/g

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



Infinite Chemical Analysis Labs 8312 Miramar Mall San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-0000047-LIC

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Josh Swider Lab Director, Managing Partner 04/11/2022

This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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Neurogan, Inc. Lic. # 8821 Production Avenue San Diego, CA 92121

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Batch#: DK20-7804 Batch Size Collected: Total Batch Size: Collected: 04/11/2022; Received: 04/11/2022 Completed: 04/11/2022

**Residual Solvent Analysis** 

Category 1		LOQ	LOD	Limit	Status	Category 2	LOQ LOD Li	mit Status	Category 2	LOQ LOD Limit	Status
1,2-Dichloro-Ethane	µg/g ND	µg/g 0.264		µg/g 1	Pass	Acetone	μg/g μg/g μg/g μ <loq 0.716="" 50<="" 51.246="" th=""><th></th><th>n-Hexane</th><th><b>µg/g</b> µg/g µg/g µg/g ND 0.281 0.027 290</th><th>Pass</th></loq>		n-Hexane	<b>µg/g</b> µg/g µg/g µg/g ND 0.281 0.027 290	Pass
Benzene		0.052		1		Acetonitrile	ND 0.42 0.14 4			ND 2.86 0.614 5000	Pass
Chloroform	ND	0.076	0.025	1	Pass	Butane	ND 4.8490.748 50	000 Pass	Methanol	ND 2.602 0.867 3000	Pass
Ethylene Oxide	ND	0.579	0.179	1	Pass	Ethanol	ND 7.575 2.525 50	000 Pass	Pentane	ND 5.075 1.692 5000	Pass
Methylene-Chloride	ND	0.729	0.08	1	Pass	Ethyl-Acetate	ND 2.288 0.175 50	000 Pass	Propane	ND 9.709 3.236 5000	Pass
Trichloroethene	ND	0.145	0.028	1	Pass	Ethyl-Ether	ND 2.8690.38950	000 Pass	Toluene	ND 0.864 0.067 890	Pass
						Heptane	ND 2.859 0.496 50	000 Pass	Xylenes	ND 2.572 0.326 2170	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

## **Heavy Metal Screening**

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	<loq< th=""><th>0.009</th><th>0.003</th><th>1.5</th><th>Pass</th></loq<>	0.009	0.003	1.5	Pass
Cadmium	0.004	0.002	0.001	0.5	Pass
Lead	0.011	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	3	Pass

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## **Microbiological Screening**

	Limit	Result	Status
	CFU/g	CFU/g	
Aspergillus flavus		NR	NT
Aspergillus fumigatus		NR	NT
Aspergillus niger		NR	NT
Aspergillus terreus		NR	NT
STEC		Not Detected	Pass
Salmonella SPP		Not Detected	Pass

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



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Josh Swider Lab Director, Managing Partner 04/11/2022

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**Chemical Residue Screening** 

Category 1		LOQ	LOD	Status
	µg/g	µg/g	µg/g	
Aldicarb	ND	0.065	0.022	Pass
Carbofuran	ND	0.030	0.009	Pass
Chlordane	ND	0.075	0.025	Pass
Chlorfenapyr	ND	0.075	0.025	Pass
Chlorpyrifos	ND	0.053	0.018	Pass
Coumaphos	ND	0.056	0.018	Pass
Daminozide	ND	0.079	0.026	Pass
Dichlorvos	ND	0.067	0.022	Pass
Dimethoate	ND	0.036	0.012	Pass
Ethoprophos	ND	0.053	0.017	Pass
Etofenprox	ND	0.030	0.008	Pass
Fenoxycarb	ND	0.043	0.014	Pass
Fipronil	ND	0.045	0.015	Pass
Imazalil	ND	0.047	0.016	Pass
Methiocarb	ND	0.047	0.016	Pass
Mevinphos	ND	0.042	0.014	Pass
Paclobutrazol	ND	0.040	0.013	Pass
Parathion Methyl	ND	0.024	0.008	Pass
Propoxur	ND	0.047	0.016	Pass
Spiroxamine	ND	0.032	0.011	Pass
Thiacloprid	ND	0.042	0.014	Pass

S	Mycotoxins		LOQ	LOD	Limit	Status
		µg/kg	µg/kg	µg/kg	µg/kg	
s	B1	ND	7.88	2.6		Tested
s	B2	ND	6.18	2.04		Tested
s	G1	ND	8.99	2.97		Tested
s	G2	ND	5.72	1.89		Tested
s	Ochratoxin A	ND	11.72	3.87	20	Pass
s	Total Aflatoxins	ND			20	Pass
5	IOLAI AHALOXIIIS	IND			20	Pass

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Category 2	,	LOQ	LOD	Limit	Status	Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	_		µg/g	µg/g	µg/g	µg/g	_
Abamectin	ND	0.030	0.010	0.3	Pass	Kresoxim Methyl	ND	0.038	0.012	1	Pass
Acephate	ND	0.050	0.016	5	Pass	Malathion	ND	0.035	0.012	5	Pass
Acequinocyl	ND	0.059	0.019	4	Pass	Metalaxyl	ND	0.031	0.010	15	Pass
Acetamiprid	ND	0.044	0.015	5	Pass	Methomyl	ND	0.048	0.016	0.1	Pass
Azoxystrobin	ND	0.029	0.010	40	Pass	Myclobutanil	ND	0.055	0.018	9	Pass
Bifenazate	ND	0.035	0.012	5	Pass	Naled	ND	0.051	0.017	0.5	Pass
Bifenthrin	ND	0.040	0.013	0.5	Pass	Oxamyl	ND	0.046	0.015	0.3	Pass
Boscalid	ND	0.060	0.020	10	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass
Captan	ND	0.358	0.120	5	Pass	Permethrin	ND	0.030	0.008	20	Pass
Carbaryl	ND	0.049	0.016	0.5	Pass	Phosmet	ND	0.038	0.012	0.2	Pass
Chlorantraniliprole	ND	0.063	0.021	40	Pass	Piperonyl Butoxide	ND	0.030	0.008	8	Pass
Clofentezine	ND	0.039	0.013	0.5	Pass	Prallethrin	ND	0.068	0.023	0.4	Pass
Cyfluthrin	ND	0.056	0.019	1	Pass	Propiconazole	ND	0.059	0.019	20	Pass
Cypermethrin	ND	0.044	0.015	1	Pass	Pyrethrins	ND	0.030	0.004	1	Pass
Diazinon	ND	0.030	0.006	0.2	Pass	Pyridaben	ND	0.035	0.012	3	Pass
Dimethomorph	ND	0.042	0.014	20	Pass	Spinetoram	ND	0.030	0.006	3	Pass
Etoxazole	ND	0.030	0.008	1.5	Pass	Spinosad	ND	0.030	0.004	3	Pass
Fenhexamid	ND	0.039	0.013	10	Pass	Spiromesifen	ND	0.042	0.014	12	Pass
Fenpyroximate	ND	0.030	0.010	2	Pass	Spirotetramat	ND	0.041	0.013	13	Pass
Flonicamid	ND	0.081	0.027	2	Pass	Tebuconazole	ND	0.044	0.014	2	Pass
Fludioxonil	ND	0.046	0.015	30	Pass	Thiamethoxam	ND	0.055	0.018	4.5	Pass
Hexythiazox	ND	0.078	0.026	2	Pass	Trifloxystrobin	ND	0.031	0.010	30	Pass
Imidacloprid	ND	0.071	0.023	3	Pass	· · ·					

## Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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