Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

ICAL ID: 20230420-014
Sample: CA230419-022-078
CBD Broad Spectrum Pet Oil 1000 mg 2oz
Strain: CBD Broad Spectrum Pet Oil 1000 mg 2oz
Category: Ingestible
Type: Tincture

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

Lic. #

Batch#: DK21-0014
Batch Size Collected:
Total Batch Size:
Collected: 05/04/2023; Received: 05/04/2023
Completed: 05/04/2023

Moisture	Δ9-THC	CBD	Total Cannabinoids	Total Terpenes
NT	**ND**	**1,027.71 mg/unit**	**1,147.01 mg/unit**	**NT**
Water Activity				
NT				

Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	POT-PREP-004	04/21/2023	Complete
Residual Solvents	RS-PREP-001	05/02/2023	Pass
Microbials	MICRO-PREP-001	05/03/2023	Pass
Mycotoxins	PESTMYCO-LC-PREP-001	05/03/2023	Pass
Heavy Metals	HM-PREP-001	05/03/2023	Pass
Foreign Matter	FM-PREP-001	05/02/2023	Pass
Pesticides	PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001	05/03/2023	Pass

Scan to see results

Cannabinoid Profile

1 Unit = bottle, 57.83 g. 1 mL = 0.93 g.

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
THCa	0.0368	0.0123	ND	ND	ND	ND
Δ9-THC	0.0368	0.0053	ND	ND	ND	ND
Δ8-THC	0.0368	0.0055	ND	ND	ND	ND
THCV	0.0368	0.0048	ND	ND	ND	ND
CBDa	0.0368	0.0059	0.049	0.49	0.45	28.28
CBD	0.0368	0.0050	1.777	17.77	16.53	1027.71
CBDV	0.0368	0.0049	0.006	0.06	0.05	3.41
CBC	0.0444	0.0148	ND	ND	ND	ND

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
CBGa	0.0534	0.0178	ND	ND	ND	ND
CBG	0.0368	0.0061	0.096	0.96	0.89	55.23
CBN	0.0368	0.0074	0.062	0.62	0.58	35.85
Total THC			**ND**	**ND**	**ND**	**ND**
Total CBD			**1.82**	**18.20**	**16.93**	**1052.51**
Total			**1.98**	**19.83**	**18.45**	**1147.01**

Total THC=THCa * 0.877 + d9-THC + d8-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 Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g

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Josh M Swider

Josh Swider
Lab Director, Managing Partner
05/04/2023

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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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Residual Solvent Analysis

Category 1		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	ND	0.31	0.1032	1	Pass
Benzene	ND	0.088	0.023	1	Pass
Chloroform	ND	0.174	0.058	1	Pass
Ethylene Oxide	ND	0.757	0.252	1	Pass
Methylene-Chloride	ND	0.729	0.148	1	Pass
Trichloroethene	ND	0.19	0.063	1	Pass

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Acetone	ND	51.246	2.572	5000	Pass
Acetonitrile	ND	0.798	0.266	410	Pass
Butane	ND	4.849	1.114	5000	Pass
Ethanol	ND	40.542	13.513	5000	Pass
Ethyl-Acetate	ND	2.288	0.436	5000	Pass
Ethyl-Ether	ND	2.869	0.593	5000	Pass
Heptane	<LOQ	6.548	2.183	5000	Pass

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
n-Hexane	ND	0.931	0.31	290	Pass
Isopropanol	ND	5.037	1.679	5000	Pass
Methanol	ND	4.665	1.555	3000	Pass
Pentane	ND	17.255	5.752	5000	Pass
Propane	ND	26.11	8.703	5000	Pass
Toluene	ND	0.864	0.136	890	Pass
Xylenes	ND	0.857	0.241	2170	Pass

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Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.009	0.003	1.5	Pass
Cadmium	ND	0.002	0.001	0.5	Pass
Lead	ND	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	3	Pass

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

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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Chemical Residue Screening

Category 1		LOQ	LOD	Status
	µg/g	µg/g	µg/g	
Aldicarb	ND	0.030	0.009	Pass
Carbofuran	ND	0.030	0.002	Pass
Chlordane	ND	0.075	0.025	Pass
Chlorfenapyr	ND	0.075	0.025	Pass
Chlorpyrifos	ND	0.030	0.008	Pass
Coumaphos	ND	0.030	0.005	Pass
Daminozide	ND	0.033	0.011	Pass
Dichlorvos	ND	0.030	0.007	Pass
Dimethoate	ND	0.030	0.007	Pass
Ethoprophos	ND	0.030	0.004	Pass
Etofenprox	ND	0.030	0.006	Pass
Fenoxycarb	ND	0.030	0.006	Pass
Fipronil	ND	0.030	0.008	Pass
Imazalil	ND	0.030	0.009	Pass
Methiocarb	ND	0.030	0.005	Pass
Mevinphos	ND	0.032	0.011	Pass
Paclobutrazol	ND	0.030	0.006	Pass
Parathion Methyl	ND	0.024	0.008	Pass
Propoxur	ND	0.030	0.005	Pass
Spiroxamine	ND	0.030	0.003	Pass
Thiacloprid	ND	0.030	0.002	Pass

Mycotoxins		LOQ	LOD	Limit	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
B1	ND	6.2	2.05		Tested
B2	ND	5	1.63		Tested
G1	ND	5.38	1.77		Tested
G2	ND	5	1.02		Tested
Ochratoxin A	ND	16.41	5.42	20	Pass
Total Aflatoxins	ND			20	Pass

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Abamectin	ND	0.039	0.013	0.3	Pass
Acephate	ND	0.063	0.021	5	Pass
Acequinocyl	ND	0.035	0.011	4	Pass
Acetamiprid	ND	0.030	0.006	5	Pass
Azoxystrobin	ND	0.030	0.003	40	Pass
Bifenazate	ND	0.030	0.005	5	Pass
Bifenthrin	ND	0.030	0.006	0.5	Pass
Boscalid	ND	0.030	0.007	10	Pass
Captan	ND	0.358	0.120	5	Pass
Carbaryl	ND	0.030	0.004	0.5	Pass
Chlorantraniliprole	ND	0.030	0.006	40	Pass
Clofentezine	ND	0.030	0.005	0.5	Pass
Cyfluthrin	ND	0.056	0.019	1	Pass
Cypermethrin	ND	0.044	0.015	1	Pass
Diazinon	ND	0.030	0.009	0.2	Pass
Dimethomorph	ND	0.030	0.009	20	Pass
Etoxazole	ND	0.030	0.003	1.5	Pass
Fenhexamid	ND	0.030	0.008	10	Pass
Fenpyroximate	ND	0.030	0.005	2	Pass
Flonicamid	ND	0.046	0.015	2	Pass
Fludioxonil	ND	0.048	0.016	30	Pass
Hexythiazox	ND	0.031	0.010	2	Pass
Imidacloprid	ND	0.030	0.009	3	Pass

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Kresoxim Methyl	ND	0.030	0.007	1	Pass
Malathion	ND	0.030	0.005	5	Pass
Metalaxyl	ND	0.030	0.003	15	Pass
Methomyl	ND	0.030	0.006	0.1	Pass
Myclobutanil	ND	0.030	0.007	9	Pass
Naled	ND	0.030	0.005	0.5	Pass
Oxamyl	ND	0.030	0.009	0.3	Pass
Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass
Permethrin	ND	0.030	0.002	20	Pass
Phosmet	ND	0.030	0.005	0.2	Pass
Piperonyl Butoxide	ND	0.030	0.006	8	Pass
Prallethrin	ND	0.055	0.018	0.4	Pass
Propiconazole	ND	0.037	0.012	20	Pass
Pyrethrins	ND	0.030	0.002	1	Pass
Pyridaben	ND	0.030	0.005	3	Pass
Spinetoram	ND	0.030	0.003	3	Pass
Spinosad	ND	0.030	0.003	3	Pass
Spiromesifen	ND	0.030	0.005	12	Pass
Spirotetramat	ND	0.030	0.006	13	Pass
Tebuconazole	ND	0.030	0.009	2	Pass
Thiamethoxam	ND	0.030	0.006	4.5	Pass
Trifloxystrobin	ND	0.030	0.002	30	Pass

Other Analyte(s):

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