

Harrens Lab Inc 3507 Breakwater Ave Hayward, CA 94545

(510) 887-8885 http://www.harrenslab.com Lic# C8-0000021-LIC DEA#: RH0490805

QA Testing

1 of 5

Nerve Roll-on 5000mg (lem/lav/menthol)

Sample ID: HR20230490377 Strain: Nerve Matrix: Topical Type: Body Oil Sample Size: ; Batch:

Produced: Collected: 04/20/2023 Received: 04/20/2023 Completed: 04/28/2023 Batch#: 1212022@2

Client HHemp.Co Lic.# 924 Chevy Way Medford, OR 97504

Summary		
Test	Date Tested	Result
Batch		Pass
Cannabinoids	04/21/2023	Complete
Water Activity	04/24/2023	Pass - 0.82000 aw
Terpenes	04/21/2023	Complete
Residual Solvents	04/24/2023	Pass
Microbials	04/24/2023	Pass
Mycotoxins	04/24/2023	Pass
Pesticides	04/24/2023	Pass
Heavy Metals	04/24/2023	Pass
Foreign Matter	04/21/2023	Pass

Cannabinoids

Complete

	ND			04.02 mg	/g	5200.95 mg/unit
	Total THC			Total CBD		Total Cannabinoids
Analyte	LOD	LOQ	Mass	Mass	Mass	Mass
	mg/g	mg/g	%	mg/g	mg/unit	mg/serving
THCa	0.03000	0.08000	ND	ND	ND	
Δ9-THC	0.02000	0.06000	ND	ND	ND	
∆8-THC	-0.02000	0.05000	ND	ND	ND	
THCV	0.02000	0.06000	ND	ND	ND	
CBDa	0.01000	0.04000	ND	ND	ND	
CBD	0.02000	0.06000	10.40	104.02	5200.95	
CBDV	0.02000	0.05000	ND	ND	ND	
CBN	0.02000	0.06000	ND	ND	ND	
CBGa	0.04000	0.11000	ND	ND	ND	
CBG	0.02000	0.05000	ND	ND	ND	
CBC	0.02000	0.05000	ND	ND	ND	
CBL	0.02000	0.07000	ND	ND	ND	
Total THC			ND	ND	ND	ND
Total CBD			10.40	104.02	5200.95	0.00
Total			10.40	104.02	5200.95	0.00

1 Unit = ml, 50g. 1 mL = 1g.

Determination of Cannabinoids by HPLC, HL223

Total THC = $\Delta 9$ -THCa * 0.877 + CBD ND = Not Detected; NR = Not Reported; LOD = Limit of Detection; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. HL105.10-01. Cannabinoid Testing: Pass/Fail decision determined by Department of Cannabis Control CCR title 4 Division 19 §15724. Water activity testing: Pass/Fail decision determined by Department of Cannabis Control CCR title 4 Division 19 §15717.







Ming Li - General Manager 04/28/2023

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2 of 5

Nerve Roll-on 5000mg (lem/lav/menthol)

Sample ID: HR20230490377	Produced:	Client
Strain: Nerve	Collected: 04/20/2023	HHemp.Co
Matrix: Topical	Received: 04/20/2023	Lic.#
Type: Body Oil	Completed: 04/28/2023	924 Chevy Way
Sample Size: ; Batch:	Batch#: 1212022@2	Medford, OR 97504

Terpenes

Analyte	LOD	LOQ	Results	Results	
	mg/g	mg/g	mg/g	%	
δ-Limonene	0.08000	0.1000	11.60	1.160	
Linalool	0.08000	0.1000	6.53	0.653	
β-Pinene	0.08000	0.1000	1.68	0.168	
y-Terpinene	0.08000	0.1000	1.17	0.117	
β-Caryophyllene	0.08000	0.1000	0.67	0.067	
Isopulegol	0.08000	0.1000	0.63	0.063	
α-Pinene	0.08000	0.1000	0.45	0.045	
β-Myrcene	0.08000	0.1000	0.35	0.035	
p-Cymene	0.08000	0.1000	0.31	0.031	
3-Carene	0.08000	0.1000	ND	ND	
α-Bisabolol	0.08000	0.1000	ND	ND	
α-Humulene	0.08000	0.1000	ND	ND	
α-Terpinene	0.08000	0.1000	ND	ND	
β-Ocimene	0.08000	0.1000	ND	ND	
Camphene	0.08000	0.1000	ND	ND	
Caryophyllene Oxide	0.08000	0.1000	ND	ND	
cis-Nerolidol	0.08000	0.1000	ND	ND	
Eucalyptol	0.08000	0.1000	ND	ND	
Geraniol	0.08000	0.1000	ND	ND	
Guaiol	0.08000	0.1000	ND	ND	
Terpinolene	0.08000	0.1000	ND	ND	
trans-Nerolidol	0.08000	0.1000	ND	ND	
Total			23.39	2.339	
SO 17025	Acc	red	iteo	La	boratory

Primary Aromas



Date Tested: 04/21/2023

ND = Not Detected; NR = Not Reported; LOD = Limit of Detection; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. HL105.10-01. SOP HL228. GC-FID







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Matrix: Topical	Received: 04/20/2023	Lic.#
Type: Body Oil	Completed: 04/28/2023	924 Chevy Way
Sample Size: ; Batch:	Batch#: 1212022@2	Medford, OR 97504

Pesticides

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.02	0.07	0.3	ND	Pass	Fludioxonil	0.02	0.07	30	ND	Pass
Acephate	0.02	0.07	5	ND	Pass	Hexythiazox	0.03	0.09	2	ND	Pass
Acequinocyl	0.03	0.08	4	ND	Pass	Imazalil	0.03	0.09	0.03	ND	Pass
Acetamiprid	0.02	0.07	0.5	ND	Pass	Imidacloprid	0.03	0.1	3	ND	Pass
Aldicarb	0.03	0.08	0.03	ND	Pass	Kresoxim Methyl	0.02	0.05	1	ND	Pass
Azoxystrobin	0.02	0.06	40	ND	Pass	Malathion	0.02	0.05	5	ND	Pass
Bifenazate	0.02	0.07	5	ND	Pass	Metalaxyl	0.03	0.1	15	ND	Pass
Bifenthrin	0.04	0.11	0.5	ND	Pass	Methiocarb	0.02	0.06	0.03	ND	Pass
Boscalid	0.02	0.07	10	ND	Pass	Methomyl	0.02	0.07	0.1	ND	Pass
Captan	0.06	0.19	5	ND	Pass	Mevinphos	0.03	0.08	0.03	ND	Pass
Carbaryl	0.03	0.08	0.5	ND	Pass	Myclobutanil	0.02	0.06	9	ND	Pass
Carbofuran	0.03	0.09	0.03	ND	Pass	Naled	0.01	0.03	0.5	ND	Pass
Chlorantraniliprole	0.02	0.06	40	ND	Pass	Oxamyl	0.03	0.09	0.2	ND	Pass
Chlordane	0.03	0.08	0.03	ND	Pass	Paclobutrazol	0.03	0.09	0.03	ND	Pass
Chlorfenapyr	0.02	0.07	0.03	ND	Pass	Parathion Methyl	0.02	0.07	0.03	ND	Pass
Chlorpyrifos	0.01	0.04	0.03	ND	Pass	Pentachloronitrobenzene	0.02	0.05	0.2	ND	Pass
Clofentezine	0.03	0.09	0.5	ND	Pass	Permethrin	0.02	0.07	20	ND	Pass
Coumaphos	0.02	0.07	0.03	ND	Pass	Phosmet	0.03	0.09	0.2	ND	Pass
Cyfluthrin	0.02	0.07	1	ND	Pass	Piperonyl Butoxide	0.03	0.08	8	ND	Pass
Cypermethrin	0.02	0.06	1	ND	Pass	Prallethrin	0.03	0.08	0.4	ND	Pass
Daminozide	0.02	0.07	0.03	ND	Pass	Propiconazole	0.03	0.09	20	ND	Pass
Diazinon	0.01	0.03	0.2	ND	Pass	Propoxur	0.03	0.08	0.03	ND	Pass
Dichlorvos	0.03	0.08	0.03	ND	Pass	Pyrethrins	0.01	0.04	1	ND	Pass
Dimethoate	0.02	0.05	0.03	ND	Pass	Pyridaben	0.03	0.09	3	ND	Pass
Dimethomorph	0.03	0.08	20	ND	Pass	Spinetoram	0.02	0.07	3	ND	Pass
Ethoprophos	0.03	0.08	0.03	ND	Pass	Spinosad	0.03	0.08	3	ND	Pass
Etofenprox	0.02	0.06	0.03	ND	Pass	Spiromesifen	0.03	0.09	12	ND	Pass
Etoxazole	0.02	0.07	1.5	ND	Pass	Spirotetramat	0.02	0.07	13	ND	Pass
Fenhexamid	0.03	0.09	10	ND	Pass	Spiroxamine	0.03	0.08	0.03	ND	Pass
Fenoxycarb	0.02	0.07	0.03	ND	Pass	Tebuconazole	0.03	0.08	2	ND	Pass
Fenpyroximate	0.03	0.08	2	ND	Pass	Thiacloprid	0.02	0.06	0.03	ND	Pass
Fipronil	0.03	0.08	0.03	ND	Pass	Thiamethoxam	0.03	0.08	4.5	ND	Pass
Flonicamid	0.02	0.07	2	ND	Pass	Trifloxystrobin	0.03	0.1	30	ND	Pass

Date Tested: 04/24/2023

We analyze samples by AOAC Official Method 2007.01-Modified; ND = Not Detected; NR = Not Reported; LOD = Limit of Detection; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. HL105.10-01. Tested by LC/MS/MS and GC/MS/MS, HL201.2. Pass/Fail decision determined by Department of Cannabis Control CCR title 4 Division 19 §15719.





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Pass

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Matrix: Topical Received: 04/20/2023 Lic. #	Strain: Nerve	Collected: 04/20/2023	HHemp.Co
	Matrix: Topical	Received: 04/20/2023	Lic. #
Type: Body Oil Completed: 04/28/2023 924 Chevy Way	Type: Body Oil	Completed: 04/28/2023	924 Chevy Way
Sample Size: ; Batch: Batch#: 1212022@2 Medford, OR 97504	Sample Size: ; Batch:	Batch#: 1212022@2	Medford, OR 97504

Residual Solvents

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.15	0.45	1	ND	Pass
Acetone	1.62	4.92	5000	<loq< td=""><td>Pass</td></loq<>	Pass
Acetonitrile	2.14	6.5	410	ND	Pass
Benzene	0.17	0.51	1	ND	Pass
Butane	10.12	30.68	5000	ND	Pass
Chloroform	0.2	0.6	1	ND	Pass
Ethanol	2.73	8.27	5000	ND	Pass
Ethyl-Acetate	1.27	3.86	5000	ND	Pass
Ethyl-Ether	2.88	8.72	5000	ND	Pass
Ethylene Oxide	0.13	0.39	1	ND	Pass
Heptane	1.73	5.25	5000	11.4	Pass
Isopropanol	2.03	6.14	5000	ND	Pass
Methanol	2.26	6.86	3000	ND	Pass
Methylene-Chloride	0.31	0.94	1	ND	Pass
n-Hexane	3.46	10.5	290	ND	Pass
Pentane	7.88	23.88	5000	ND	Pass
Propane	7.47	22.62	5000	ND	Pass
Toluene	1.37	4.16	890	ND	Pass
Trichloroethene	0.14	0.44	1	ND	Pass
Xylenes	2.86	8.68	2170	ND	Pass

Date Tested: 04/24/2023

ND = Not Detected; SOP HL231. Headspace GC-FID. Pass/Fail decision determined by Department of Cannabis Control CCR title 4 Division 19 §15718.



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Type: Body Oil	Completed: 04/28/2023	924 Chevy Way
Sample Size: ; Batch:	Batch#: 1212022@2	Medford, OR 97504

Microbials

Analyte	Results	Status
Aerobic Plate Count	NR	NT
Aspergillus flavus	NR	NT
Aspergillus fumigatus	NR	NT
Aspergillus niger	NR	NT
Aspergillus terreus	NR	NT
Shiga Toxin-producing E. coli	Not Detected in 1g	Pass
Salmonella SPP	Not Detected in 1g	Pass
Yeast & Mold	NR	NT

Date Tested: 04/24/2023

NR = Not Reported: Aerobic Bacteria refers to Aerobic Plate Count, we analyze by method FDA BAM Jan 2001, Chapter 3. E.coli refers to E.coli Plate Count, we analyze by method FDA BAM Jan 2001, Chapter 4. Salmonella analysis method by Compact Dry SL, Hardy Diagnostics. Visual Mold inspection by UV light. 1= Mold Present, 0=Mold Not Present. Yeast and Mold Plate count method by AOAC no. 100401 or FDA BAM Jan 2001, Chapter 18. HL105.10-01. Salmonella and STEC: SOP HL 316. Aspergillus sp.: SOP HL311.2 (modified) & SOP HL 317. Microbial Testing: Pass/Fail decision determined by Department of Cannabis Control CCR title 4 Division 19 §15720 and §15722.

Mycotoxins					Pass
Analyte	LOD	LOQ	Limit	Results	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	1.1	3.4		ND	Tested
Aflatoxin B2	1.3	4		ND	Tested
Aflatoxin G1	2.8	8.4		ND	Tested
Aflatoxin G2	1.4	4.2		ND	Tested
Total Aflatoxins	6.6	20	20	ND	Pass
Ochratoxin A	2.8	8.4	20	ND	Pass

Date Tested: 04/24/2023

SOP HL 240. Total Aflatoxins = Aflatoxin B1 + Aflatoxin B2 + Aflatoxin G1 + Aflatoxin G2. Each aflatoxin is tested individually. HL241. Tested by HPLC-FID, HL241. Pass/Fail decision determined by Department of Cannabis Control CCR title 4 Division 19 §15721.

Heavy Metals					Pass
Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.059	0.179	1.5	ND	Pass
Cadmium	0.005	0.014	0.5	ND	Pass
Lead	0.055	0.168	0.5	ND	Pass
Mercury	0.005	0.017	3	ND	Pass

Date Tested: 04/24/2023

SOP HL 237. Tested by Atomic Fluorescence Spectrometry, HL237. Pass/Fail decision determined by Department of Cannabis Control CCR title 4 Division 19 §15723.



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Pass

QA Testing