pH Solutions, LLC
181 W. Huntington Dr. #106 Monrovia, CA 91016
C8-0000022-LIC
Info@pHS-lab.com, www.pHS-lab.com

pH SOLUTIONS

Distributor	0	0	**0**
Source	0	0	**0**
Analysis Performed For	**Myriams Hemp**		
Sample Name	**CBDA:CBD**		
Batch Number	**2139**	**T &T #**	**191018-205**
Description	**Tincture**		

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Cannabinoid Profile

Cannabinoids	LOD	LOQ	Wt%	mg/g	mg/mL
Δ^9-THC Total			**0.18**	**1.76**	**1.60**
CBD Total			**5.03**	**50.24**	**45.74**
CBG Total			**0.14**	**1.42**	**1.28**
Δ^9-THC	**0.05**	**0.17**	0.14	1.41	1.28
Δ^9-THCA	**0.01**	**0.01**	0.05	0.48	0.44
CBD	**0.07**	**0.25**	2.59	25.88	23.56
CBDA	**0.06**	**0.20**	2.82	28.15	25.62
CBG	**0.04**	**0.15**	0.15	1.51	1.37
CBGA	**0.07**	**0.26**	ND	ND	ND
CBN	**0.10**	**0.60**	ND	ND	ND
CBC	**0.15**	**0.50**	0.10	0.96	.087
Δ8-THC	**0.08**	**0.27**	ND	ND	ND
Cannabinoids	Pass				

Date Completed 07/01/2020

density: 0.9102

Microbial Impurities

Contaminant	Action Level (cfu/g)	Pass/Fail
E. coli (STEC)	LLOD	**Pass**
Salmonella spp.	LLOD	**Pass**
A. fumigatus, niger flavus, & terreus	LLOD	**Pass**

Moisture Content and Water Activity

Analysis	Action Level	Amount Present	Pass/Fail
Moisture Content	13.00%		NT
Water Activity	0.65 A_w		NT

Foreign Material Analysis

Pass or Fail:	PASS

Date Completed 07/01/2020

Rkeledj

Certified by Lab Director Dr. Raquel Keledjian
Cannabinoids: UHPLC, PDA, SOP 6.0, 16 CCR §5724
Microbial: qPCR, SOP 6.05, 16 CCR §5720 Foreign Material: SOP 2.02 16 CCR §5722
% H2O and WA: Moisture Balance, Rotronic, SOP 6.07 §5717

THE EMERALD TEST
POTENCY IN SOLUTION
pH Solutions

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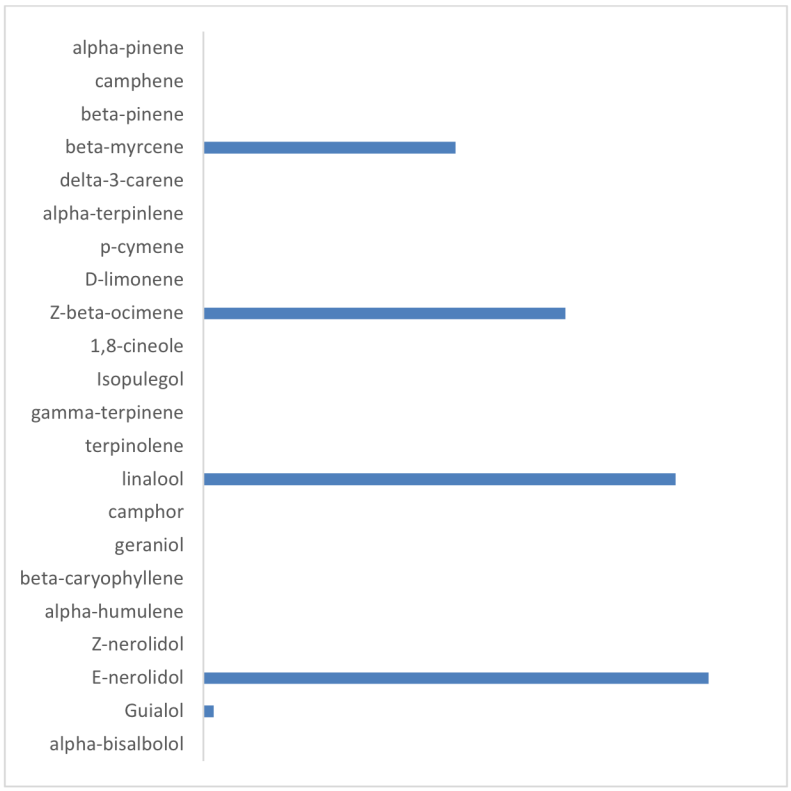
Terpenes	mg/g
alpha-pinene	<LLOQ
camphene	<LLOQ
beta-pinene	<LLOQ
beta-myrcene	**1.50**
delta-3-carene	<LLOQ
alpha-terpinlene	<LLOQ
p-cymene	<LLOQ
D-limonene	<LLOQ
Z-beta-ocimene	**1.89**
1,8-cineole	<LLOQ
Isopulegol	<LLOQ
gamma-terpinene	<LLOQ
terpinolene	<LLOQ
linalool	**2.84**
camphor	<LLOQ
geraniol	<LLOQ
beta-caryophyllene	<LLOQ
alpha-humulene	<LLOQ
Z-nerolidol	<LLOQ
E-nerolidol	**3.25**
Guialol	**.56**
alpha-bisalbolol	<LLOQ
Sum of Terpenes	**10.04**



Date Completed 7/01/2020

Terpene Analysis: Shimadzu GCFID, SOP 6.02 16 CCR 5725.

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Source	0	0	0
Analysis Performed For	**Myriams Hemp**		
Sample Name	**CBDA:CBD**		
Batch Number	**2139**	**T &T #**	**191018-205**
Description	**Tincture**		

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Residual Solvent Detection				
Residual Solvent	**LOD PPM**	**LOQ PPM**	**Action Threshold**	**Amount Detected ug/g**
Acetone	5	**16**	5000	**ND**
Acetonitrile	0.8	**2.5**	410	**ND**
Benzene	0.04	**0.1**	1	**ND**
Butane	5.5	**17**	5000	**ND**
Chloroform	0.25	**0.5**	1	**ND**
1,2-Dichloroethane	0.1	**0.3**	1	**ND**
Ethanol	0.5	**1**	5000	**ND**
Ethyl Acetate	31	**84**	5000	**ND**
Ethyl Ether	6	**18**	5000	**ND**
Ethylene Oxide	0.5	**1**	1	**ND**
Heptane	33	**90**	5000	**ND**
Hexane	0.5	**1**	290	**ND**
Isopropyl Alcohol	7	**21**	5000	**ND**
Methanol	62	**167**	3000	**ND**
Methylene Chloride	0.5	**1**	1	**ND**
Pentane	6.4	**19**	**5000**	**ND**
Propane	20	**59**	**5000**	**ND**
Toluene	12.2	**33**	**890**	**ND**
Total xylenes	3	**10**	**2170**	**ND**
Trichloroethylene	0.5	**1**	1	**ND**
Residual Solvent Results (Pass/Fail)				
All Cannabis Products			Pass	

Date Completed 07/01/2020

Certified by Lab Director
Dr. Raquel Keledjian
Solvent: Shimadzu GCMS QP2010 SE 16 CCR §5718

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Distributor	0	0	**0**
Source	0	0	**0**
Analysis Performed For	**Myriams Hemp**		
Sample Name	**CBDA:CBD**		
Batch Number	**2139**	**T &T #**	**191018-205**
Description	**Tincture**		

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Heavy Metal					
	Action Level (PPM)				ug/g
Heavy Metals	LOD PPM	LOQ PPM	Inhalable Cannabis &	Cannabis Products	Amount Detected
Cadmium	0.040	0.140	0.200	0.500	ND
Lead	0.010	0.030	0.500	0.500	ND
Arsenic	0.060	0.210	0.200	1.500	ND
Mercury	0.090	0.300	0.100	3.000	ND
Results	Pass				

Date Completed 07/01/2020

Mycotoxin Analysis					
	Action Level (PPB)				ug/kg
Mycotoxin	LOD PPB	LOQ PPB	Inhalable Cannabis &	Cannabis Products	Amount Detected
Ochratoxin A	2.0	7.0	20.000	20.000	ND
Aflatoxin B1	2.0	6.0	20.000	20.000	ND
Aflatoxin B2	3.0	7.0	20.000	20.000	ND
Aflatoxin G1	2.0	8.0	20.000	20.000	ND
Aflatoxin G2	1.0	4.0	20.000	20.000	ND
Results	Pass				

Date Completed 07/01/2020

Rkeledj

Heavy Metals : run by ICPMS SOP 6.06, 16 CCR § 5723
Mycotoxins: run on LCMS SOP 6.03 6.04, 16 CCR §5721

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Residual Pesticide Detection

Residual Pesticide	Action Level (ug/g)				ug/g
	Action Limit II	Action Limit II	LOD PPB	LOQ PPB	Amount Detected
Acephate II	0.10	5.00	0.039	0.131	ND
Acequinocyl II	0.10	4.00	0.518	0.760	ND
Acetamiprid II	0.10	5.00	0.008	0.030	ND
Aldicarb I II	LLOD	LLOD	0.009	0.030	ND
Abamectin II	0.10	0.30	0.001	0.007	ND
Azoxystrobin II	0.10	40.00	0.007	0.025	ND
Bifenazate II	0.10	5.00	0.003	0.010	ND
Bifenthrin II	3.00	0.50	0.003	0.011	ND
Boscalid II	0.10	10.00	0.008	0.026	ND
Captan II	0.70	5.00	0.434	1.450	ND
Carbaryl II	0.50	0.50	0.005	0.018	ND
Carbofuran I	LLOD	LLOD	0.008	0.027	ND
Chlorantraniliprole II	10.00	40.00	0.027	0.071	ND
Chlordane I	LLOD	LLOD	1.080	3.600	ND
Chlorfenapyr I	LLOD	LLOD	0.550	0.504	ND
Chlorpyrifos I	LLOD	LLOD	0.010	0.036	ND
Clofentezine II	0.10	0.50	0.011	0.036	ND
Coumaphos I	LLOD	LLOD	0.032	0.109	ND
Cyfluthrin II	2.00	1.00	0.289	0.960	ND
Cypermethrin II	1.00	1.00	0.496	1.650	ND
Daminozide I	LLOD	LLOD	0.322	1.070	ND
Diazinon II	0.10	0.20	0.012	0.042	ND
Dichlorvos I	LLOD	LLOD	0.013	0.045	ND
Dimethoate I	LLOD	LLOD	0.007	0.002	ND
Dimethomorph II	2.00	20.00	0.003	0.009	ND
Ethoprop(hos) I	LLOD	LLOD	0.007	0.026	ND
Etofenprox I	LLOD	LLOD	0.008	0.026	ND
Etoxazole II	0.10	1.50	0.001	0.006	ND
Fenhexamid II	0.10	10.00	0.019	0.064	ND
Fenoxycarb I	LLOD	LLOD	0.005	0.018	ND
Fenpyroximate II	0.10	2.00	0.001	0.004	ND
Fipronil I	LLOD	LLOD	0.052	0.173	ND
Flonicamid II	0.10	2.00	0.005	0.015	ND
Fludioxonil II	0.10	30.00	0.012	0.041	ND
Hexythiazox II	0.10	2.00	0.004	0.015	ND
Imazalil I	LLOD	LLOD	0.036	0.122	ND
Imidacloprid II	5.00	3.00	0.006	0.109	ND
Kresoxim-methyl II	0.10	1.00	0.016	0.054	ND
Malathion II	0.50	5.00	0.005	0.017	ND
Metalaxyl II	2.00	15.00	0.007	0.023	ND
Methiocarb I	LLOD	LLOD	0.004	0.015	ND
Methomyl II	1.00	0.10	0.008	0.027	ND
Mevinphos I	LLOD	LLOD	0.297	0.727	ND

1

Distributor	0 0 0
Source	0 0 0

Myriams Hemp	
Date Analyzed	
07/01/2020	
Sample Name	
CBDA:CBD	
0	
T&T #:	Batch #:
191018-205	2139

Pesticide Results (Pass/Fail)	
Inhalable Cannabis	PASS

Residual Pesticide Detection

Residual Pesticide	Action Level (ug/g)				ug/g
	Action Limit II	Action Limit II	LOD PPB	LOQ PPB	Amount Detected
Myclobutanil II	0.10	9.00	0.127	0.280	ND
Naled II	0.10	0.50	0.010	0.034	ND
Oxamyl II	0.50	0.20	0.010	0.034	ND
Paclobutrazol I	LLOD	LLOD	0.009	0.031	ND
Parathion methyl I	LLOD	LLOD	0.238	0.790	ND
PCNB II	0.10	0.20	0.970	3.200	ND
Permethrin II	0.50	20.00	0.025	0.069	ND
Phosmet II	0.10	0.20	0.004	0.014	ND
Piperonyl butoxide II	3.00	8.00	0.010	0.049	ND
Prallethrin II	0.10	0.40	0.030	0.100	ND
Propiconazole II	0.10	20.00	0.029	0.099	ND
Propoxure I	LLOD	LLOD	0.004	0.015	ND
Pyrethrins II	0.50	1.00	0.439	0.618	ND
Pyridaben II	0.10	3.00	0.002	0.005	ND
Spinosad II	0.10	3.00	0.001	0.004	ND
Spinetoram II	0.10	3.00	0.000	0.530	ND
Spiromesifen II	0.10	12.00	0.000	0.001	ND
Spirotetramat II	0.10	13.00	0.014	0.047	ND
Spiroxamine I	LLOD	LLOD	0.008	0.029	ND
Tebuconazole II	0.10	2.00	0.001	0.005	ND
Thiacloprid I	LLOD	LLOD	0.010	0.034	ND
Thiamethoxam II	5.00	4.50	0.001	0.005	ND
Trifloxystrobin II	0.10	30.00	0.003	0.018	ND

Pesticide detection is determined by LCMS GCMS SOP 6.03 6.04
Category I fail above LOD. Action Limit I (inhalables) Action Limit II (other products)
16 CCR § 5719.