Date Tested

02/11/2022

02/10/2022

02/10/2022

02/10/2022

02/11/2022

02/11/2022

02/11/2022

02/09/2022

1 of 5

Result Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Complete

Harrens Lab Inc 3507 Breakwater Ave Hayward, CA 94545

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

# Limonana

larrei

ISO 17025 Accredited Laboratory

Metrc Sample: 1A40603000099ED000023133; Metrc Batch: 1A4060300001F41000001042

•			
Sample ID: HR20220290172	Produced: 02/08/2022	Distributor	Producer
Strain: Limonana	Collected: 02/09/2022	Purple Star MD	Purple Star MD
Matrix: Concentrates & Extracts	Received: 02/09/2022	Lic. # C11-0000006-LIC	Lic. # CDPH-10002056
Type: Other	Completed: 02/11/2022	2525 Phelps St	2525 Phelps St, San Francisco, CA 94124
Sample Size: 13 units; Batch: 2,443 units	Batch#: CO-21182	San Francisco, CA 94124	

Summary

Cannabinoids

**Residual Solvents** 

Terpenes

Microbials

Mycotoxins

Heavy Metals

Foreign Matter

Pesticides

Test

Batch



# Cannabinoids

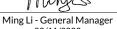
	<b>83.36%</b> Total THC			ND Total CBE			<b>83.58%</b> Total Cannabinoids
Analyte	LOD	LOQ	Result	Result	Result	Result	
	mg/g	mg/g	%	mg/g	mg/unit	mg/serving	
THCa	0.04000	0.14000	77.59	775.90	775.90	775.90	
∆9-THC	0.07000	0.21000	15.31	153.10	153.10	153.10	
CBDa	0.03000	0.1000	ND	ND	ND	ND	
CBD	0.05000	0.15000	ND	ND	ND	ND	
CBN	0.03000	0.08000	ND	ND	ND	ND	
CBG	0.07000	0.22000	0.22	2.20	2.20	2.20	1
Total THC			83.36	833.56	833.56	833.56	
Total CBD			ND	ND	ND	ND	
Total			83.58	835.76	835.76	835.76	

1 Unit = g, 1g. 1 unit(s) per serving. Determination of Cannabinoids by HPLC, HL223 Total THC = THCa \*  $0.877 + \Delta 9$ -THC Total CBD = CBDa \* 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







02/11/2022

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## Limonana

Harrens

ISO 17025 Accredited Laboratory

Metrc Sample: 1A40603000099ED000023133; Metrc Batch: 1A4060300001F41000001042						
Sample ID: HR20220290172	Produced: 02/08/2022	Distributor	Producer			
Strain: Limonana	Collected: 02/09/2022	Purple Star MD	Purple Star MD			
Matrix: Concentrates & Extracts	Received: 02/09/2022	Lic. # C11-0000006-LIC	Lic. # CDPH-10002056			
Type: Other	Completed: 02/11/2022	2525 Phelps St	2525 Phelps St, San Francisco, CA 94124			
Sample Size: 13 units; Batch: 2,443 units	Batch#: CO-21182	San Francisco, CA 94124				

#### Terpenes

Analyte		LOD	LOQ	Results	Results	
		mg/g	mg/g	mg/g	%	
β-Caryophyllene		0.08000	0.1000	16.17	1.617	
Linalool		0.08000	0.1000	5.23	0.523	
α-Humulene		0.08000	0.1000	4.89	0.489	
δ-Limonene		0.08000	0.1000	4.31	0.431	
β-Myrcene		0.08000	0.1000	2.45	0.245	
α-Bisabolol		0.08000	0.1000	1.74	0.174	
Caryophyllene Oxide		0.08000	0.1000	0.96	0.096	
β-Pinene		0.08000	0.1000	0.65	0.065	
α-Pinene		0.08000	0.1000	0.32	0.032	
3-Carene		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	
cis-Nerolidol		0.08000	0.1000	ND	ND	
Eucalyptol		0.08000	0.1000	ND	ND	
y-Terpinene		0.08000	0.1000	ND	ND	
Geraniol		0.08000	0.1000	ND	ND	
Guaiol		0.08000	0.1000	ND	ND	
Isopulegol		0.08000	0.1000	ND	ND	
p-Cymene		0.08000	0.1000	ND	ND	
Terpinolene		0.08000	0.1000	ND	ND	
trans-Nerolidol		0.08000	0.1000	ND	ND	
Total				36.72	3.672	
ISO 17	7025	Acc	red	iteo	l la	boratory

# **Primary Aromas**

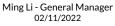


Date Tested: 02/10/2022

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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Pass

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# Limonana

Metrc Sample: 1A40603000099ED000023133; Metrc Batch: 1A4060300001F41000001042

Sample ID: HR20220290172	Produced: 02/08/2022	Distributor	Producer
Strain: Limonana	Collected: 02/09/2022	Purple Star MD	Purple Star MD
Matrix: Concentrates & Extracts	Received: 02/09/2022	Lic. # C11-0000006-LIC	Lic. # CDPH-10002056
Type: Other	Completed: 02/11/2022	2525 Phelps St	2525 Phelps St, San Francisco, CA 94124
Sample Size: 13 units; Batch: 2,443 units	Batch#: CO-21182	San Francisco, CA 94124	

#### Pesticides

LOD LOQ LOD Analyte Limit Results Status Analyte LOQ Limit Results Status µg/g µg/g µg/g µg/g µg/g µg/g µg/g µg/g Abamectin 0.1 0.1 ND Pass Fludioxonil 0.1 0.1 ND Pass 0.03 0.1 0.1 ND 0.1 ND Acephate Pass Hexythiazox 0.1 Pass 0.03 ND Pass 0.1 0.03 ND Acequinocyl 01 01 Imazalil Pass Imidacloprid Acetamiprid 0.1 0.1 ND Pass 0.1 5 ND Pass Aldicarb 0.1 ND Pass Kresoxim Methyl 0.1 0.1 ND Pass Azoxystrobin 0.1 0.1 ND Pass Malathion 0.1 ND Pass Bifenazate 0.1 ND Pass 0.1 2 ND 0.03 0.1 Metalaxyl Pass 0.1 ND Pass Pass Bifenthrin 0.03 3 Methiocarb 01 ND Boscalid 0.03 0.1 0.1 ND Pass Methomyl 0.1 ND Pass 1 Captan 0.1 ND Pass Mevinphos 0.1 ND Pass Carbaryl 0.1 ND Pass Myclobutanil 0.1 0.1 ND Pass 0.1 Carbofuran ND Pass Naled 0.1 0.1 ND Pass Chlorantraniliprole 0.1 10 ND Pass Oxamyl 0.1 ND Pass Chlordane 0.1 0.03 ND Pass Paclobutrazol 0.03 0.1 0.03 ND Pass ND Chlorfenapyr 0.1 Pass Parathion Methyl 0.1 0.03 ND Pass Pass Chlorpyrifos 0.1 ND Pass Pentachloronitrobenzene 0.1 0.1 ND Clofentezine 0.1 0.1 ND Pass Permethrin 0.1 ND Pass Coumaphos 0.1 0.03 ND Pass Phosmet 0.1 0.1 ND Pass Cyfluthrin 2 ND Pass **Piperonyl Butoxide** ND 0.1 0.1 Pass Cypermethrin ND Pass Prallethrin 0.1 ND 0.1 1 0.1 Pass Daminozide 0.1 0.03 ND Pass Propiconazole 0.1 0.1 ND Pass Diazinon 0.1 ND Pass Propoxur 0.1 ND Pass 0.1 ND ND Dichlorvos 0.03 Pass Pyrethrins 0.1 Pass Pass 0.1 Dimethoate 0.03 0.1 ND Pyridaben 0.1 ND Pass 0.1 ND Pass 0.1 0.1 ND Dimethomorph 2 Spinetoram Pass Ethoprophos 0.03 0.1 ND Pass Spinosad 0.1 0.1 ND Pass Etofenprox 0.03 0.1 ND Pass Spiromesifen 0.1 0.1 ND Pass Etoxazole 0.03 0.1 0.1 ND Pass Spirotetramat 0.1 0.1 ND Pass 0.1 ND ND Fenhexamid 0.03 0.1 Pass Spiroxamine 0.03 0.1 0.03 Pass 0.03 0.1 ND Pass Tebuconazole 0.1 ND 0.1 Pass Fenoxycarb 0.03 0.1 0.1 ND Pass Thiacloprid 0.1 ND Pass Fenpyroximate 0.1 Thiamethoxam 5 ND Fipronil ND Pass 0.1 Pass Flonicamid 0.03 0.1 0.1 ND Pass Trifloxystrobin 0.1 0.1 ND Pass

Date Tested: 02/11/2022

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



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Ming Li - General Manager 02/11/2022

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Pass

Limonana

Harrens

ISO 17025 Accredited Laboratory

Metrc Sample: 1A40603000099ED000023133; Metrc Batch: 1A4060300001F41000001042

Harrens Lab Inc

3507 Breakwater Ave

Hayward, CA 94545

Sample ID: HR20220290172	Produced: 02/08/2022	Distributor	Producer
Strain: Limonana	Collected: 02/09/2022	Purple Star MD	Purple Star MD
Matrix: Concentrates & Extracts	Received: 02/09/2022	Lic. # C11-0000006-LIC	Lic. # CDPH-10002056
Type: Other	Completed: 02/11/2022	2525 Phelps St	2525 Phelps St, San Francisco, CA 94124
Sample Size: 13 units; Batch: 2,443 units	Batch#: CO-21182	San Francisco, CA 94124	

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Lic# C8-0000021-LIC

DEA#: RH0490805

#### **Residual Solvents**

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	591.5	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	ND	Pass
Isopropanol	2.03	6.14	5000	9.6	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	<loq< td=""><td>Pass</td></loq<>	Pass
Trichloroethene	0.14	0.44	1	ND	Pass
Xylenes	2.86	8.68	2170	ND	Pass

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Date Tested: 02/10/2022 ND = Not Detected; SOP HL231. Headspace GC-FID



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Ming Li - General Manager 02/11/2022

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### Limonana

Metrc Sample: 1A40603000099ED000023133; Metrc Batch: 1A4060300001F41000001042

Harrens Lab Inc

Sample ID: HR20220290172	Produced: 02/08/2022	Distributor	Producer
Strain: Limonana	Collected: 02/09/2022	Purple Star MD	Purple Star MD
Matrix: Concentrates & Extracts	Received: 02/09/2022	Lic. # C11-0000006-LIC	Lic. # CDPH-10002056
Type: Other	Completed: 02/11/2022	2525 Phelps St	2525 Phelps St, San Francisco, CA 94124
Sample Size: 13 units; Batch: 2,443 units	Batch#: CO-21182	San Francisco, CA 94124	

#### **Microbials**

Pass

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

#### Date Tested: 02/10/2022

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.

Mycotoxins					Pass
Analyte	LOD	LOQ	Limit	Results	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	0.97	2.95		ND	Tested
Aflatoxin B2	0.51	1.56		ND	Tested
Aflatoxin G1	0.65	1.98		ND	Tested
Aflatoxin G2	0.55	1.67		ND	Tested
Total Aflatoxins			20	ND	Pass
Ochratoxin A	0.55	1.66	20	ND	Pass
Date Tested: 02/11/2022	Α				

SOP HL 240

Total Aflatoxins = Aflatoxin B1 + Aflatoxin B2 + Aflatoxin G1 + Aflatoxin G2. Each aflatoxin is tested individually. HL241. Tested by HPLC-FID, HL241

Heavy Metals					Pass
Analyte	LOD	LOQ	Limit	Results	Status
	μg/g	µg/g	µg/g	µg/g	
Arsenic	0.07	0.20	0.2	ND	Pass
Cadmium	0.07	0.20	0.2	ND	Pass
Lead	0.17	0.50	0.5	ND	Pass
Mercury	0.03	0.10	0.1	ND	Pass

Date Tested: 02/11/2022

SOP HL 237. Tested by Atomic Fluorescence Spectrometry, HL237



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