**Chief Stix** 

Sample ID: HR20210191490 Strain: Chief Stix Matrix: Plant Type: Preroll Sample Size: 20 units; Batch: Produced: Collected: 01/29/2021 Received: 01/29/2021 Completed: 02/04/2021 Batch#: CS-CBG:CBD-012921 http://www.harrenslab.com Lic# C8-0000021-LIC DEA#: RH0490805

(510) 887-8885

Client HHemp.Co Lic. # AG-R10666417IHH 924 Chevy Way Medford, OR 97504

	Summary		
	Test	Date Tested	Result
	Batch		Pass
	Cannabinoids	02/02/2021	Complete
	Moisture	02/01/2021	11.74%
	Water Activity	02/01/2021	Pass - 0.60000 aw
	Terpenes	02/02/2021	Complete
	Residual Solvents	02/01/2021	Pass
	Microbials	02/03/2021	Pass
	Mycotoxins	02/02/2021	Pass
	Pesticides	02/01/2021	Pass
-	Heavy Metals	02/02/2021	Pass
	Foreign Matter	02/01/2021	Pass

## Cannabinoids

Analyte

THCa

CBDa

CBD

CBN

CBGa

CBG

Total

Total THC

Total CBD

∆9-THC

9.61% 0.26% 6.79% Total THC **Total Cannabinoids** Total CBD LOD LOQ Result Result % mg/g 0.30 0.0033 0.0100 3.0 ND 0.0100 ND 0.0033 0.0100 7.46 74.6 0.0033 0.0100 0.25 2.5 0.0010 0.0025 ND ND 0.0033 1.54 15.4

0.06

0.26

6 7 9

9.61

0.0025

1 Unit = g, 0.8g. Determination of Cannabinoids by HPLC, HL223 Total THC = THCa \*  $0.877 + \Delta 9$ -THC Total CBD = CBDa \* 0.877 + CBDND = Not Detected; NR = Not Reported; LOD = Limit of I

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



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Ming Li - General Manager 02/04/2021 oling Procedure: SOP HL 110.2; Foreign Mater

ISO 17025 accredited by A2LA (Certificate No: 4074.01 & 4074.02). Sampling Procedure: SOP HL 110.2; Foreign Material: UV light/Microscope SOP HL 323, SOP HL 324; Water Activity: Water Activity Meter SOP HL 238; Moisture: Drying Oven SOP HL217.1; All LQC ran in accordance with 16 CCR sec. 5730. This product has been tested by Harrens Lab Inc. using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Harrens Lab Inc. 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 Harrens Lab Inc.



0.0010



0.6

2.60

67.90

96.1

Complete

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# **Chief Stix**

Harrens

ISO 17025 Accredited Laboratory

Sample ID: HR20210191490	Produced:	Client
Strain: Chief Stix	Collected: 01/29/2021	HHemp.Co
Matrix: Plant	Received: 01/29/2021	Lic. # AG-R10666417IHH
Type: Preroll	Completed: 02/04/2021	924 Chevy Way
Sample Size: 20 units; Batch:	Batch#: CS-CBG:CBD-012921	Medford, OR 97504

#### Terpenes

Analyte	LOD	LOQ	Results	Results	
	%	%	%	mg/g	
β-Caryophyllene	0.0080	0.0100	0.105	1.05	
α-Bisabolol	0.0080	0.0100	0.044	0.44	
α-Humulene	0.0080	0.0100	0.043	0.43	
Guaiol	0.0080	0.0100	0.024	0.24	
Caryophyllene Oxide	0.0080	0.0100	0.023	0.23	
β-Ocimene	0.0080	0.0100	0.015	0.15	
Ocimene	0.0080	0.0100	0.015	0.15	
α-Pinene	0.0080	0.0100	0.012	0.12	
3-Carene	0.0080	0.0100	ND	ND	
α-Phellandrene	0.0080	0.0100	ND	ND	
α-Terpinene	0.0080	0.0100	ND	ND	
α-Terpineol	0.0080	0.0100	ND	ND	
β-Myrcene	0.0080	0.0100	<loq< th=""><th><loq< th=""><th></th></loq<></th></loq<>	<loq< th=""><th></th></loq<>	
β-Pinene	0.0080	0.0100	ND	ND	
Borneol	0.0080	0.0100	ND	ND	
Camphene	0.0080	0.0100	ND	ND	
cis-Nerolidol	0.0080	0.0100	ND	ND	
δ-Limonene	0.0080	0.0100	ND	ND	
Eucalyptol	0.0080	0.0100	ND	ND	
Fenchol	0.0080	0.0100	ND	ND	
Fenchone	0.0080	0.0100	ND	ND	
y-Terpinene	0.0080	0.0100	ND	ND	
Geraniol	0.0080	0.0100	ND	ND	
Geranyl Acetate	0.0080	0.0100	ND	ND	
Isopulegol	0.0080	0.0100	ND	ND	
Linalool	0.0080	0.0100	ND	ND	
Menthol	0.0080	0.0100	ND	ND	
Nerol	0.0080	0.0100	ND	ND	
Pulegone	0.0080	0.0100	ND	ND	
p-Cymene	0.0080	0.0100	ND	ND	
Terpinolene	0.0080	0.0100	ND	ND	
trans-Nerolidol	0.0080	0.0100	ND	ND	
Total			0.281	2.81	

# **Primary Aromas**



Date Tested: 02/02/2021

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







Ming Li - General Manager 02/04/2021

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# **Chief Stix**

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Sample ID: HR20210191490	Produced:	Client
Strain: Chief Stix	Collected: 01/29/2021	HHemp.Co
Matrix: Plant	Received: 01/29/2021	Lic. # AG-R10666417IHH
Type: Preroll	Completed: 02/04/2021	924 Chevy Way
Sample Size: 20 units; Batch:	Batch#: CS-CBG:CBD-012921	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	0.03	0.1	0.1	ND	Pass	Fludioxonil	0.03	0.1	0.1	ND	Pass
Acephate	0.03	0.1	0.1	ND	Pass	Hexythiazox	0.03	0.1	0.1	ND	Pass
Acequinocyl	0.03	0.1	0.1	ND	Pass	Imazalil	0.03	0.1	0.03	ND	Pass
Acetamiprid	0.03	0.1	0.1	ND	Pass	Imidacloprid	0.03	0.1	5	ND	Pass
Aldicarb	0.03	0.1	0.03	ND	Pass	Kresoxim Methyl	0.03	0.1	0.1	ND	Pass
Azoxystrobin	0.03	0.1	0.1	ND	Pass	Malathion	0.03	0.1	0.5	ND	Pass
Bifenazate	0.03	0.1	0.1	ND	Pass	Metalaxyl	0.03	0.1	2	ND	Pass
Bifenthrin	0.03	0.1	3	ND	Pass	Methiocarb	0.03	0.1	0.03	ND	Pass
Boscalid	0.03	0.1	0.1	ND	Pass	Methomyl	0.03	0.1	1	ND	Pass
Captan	0.03	0.1	0.7	ND	Pass	Mevinphos	0.03	0.1	0.03	ND	Pass
Carbaryl	0.03	0.1	0.5	ND	Pass	Myclobutanil	0.03	0.1	0.1	ND	Pass
Carbofuran	0.03	0.1	0.03	ND	Pass	Naled	0.03	0.1	0.1	ND	Pass
Chlorantraniliprole	0.03	0.1	10	ND	Pass	Oxamyl	0.03	0.1	0.5	ND	Pass
Chlordane	0.03	0.1	0.03	ND	Pass	Paclobutrazol	0.03	0.1	0.03	ND	Pass
Chlorfenapyr	0.03	0.1	0.03	ND	Pass	Parathion Methyl	0.03	0.1	0.03	ND	Pass
Chlorpyrifos	0.03	0.1	0.03	ND	Pass	Pentachloronitrobenzene	0.03	0.1	0.1	ND	Pass
Clofentezine	0.03	0.1	0.1	ND	Pass	Permethrin	0.03	0.1	0.5	ND	Pass
Coumaphos	0.03	0.1	0.03	ND	Pass	Phosmet	0.03	0.1	0.1	ND	Pass
Cyfluthrin	0.03	0.1	2	ND	Pass	Piperonyl Butoxide	0.03	0.1	3	ND	Pass
Cypermethrin	0.03	0.1	1	ND	Pass	Prallethrin	0.03	0.1	0.1	ND	Pass
Daminozide	0.03	0.1	0.03	ND	Pass	Propiconazole	0.03	0.1	0.1	ND	Pass
Diazinon	0.03	0.1	0.1	ND	Pass	Propoxur	0.03	0.1	0.03	ND	Pass
Dichlorvos	0.03	0.1	0.03	ND	Pass	Pyrethrins	0.03	0.1	0.5	ND	Pass
Dimethoate	0.03	0.1	0.03	ND	Pass	Pyridaben	0.03	0.1	0.1	ND	Pass
Dimethomorph	0.03	0.1	2	ND	Pass	Spinetoram	0.03	0.1	0.1	ND	Pass
Ethoprophos	0.03	0.1	0.03	ND	Pass	Spinosad	0.03	0.1	0.1	ND	Pass
Etofenprox	0.03	0.1	0.03	ND	Pass	Spiromesifen	0.03	0.1	0.1	ND	Pass
Etoxazole	0.03	0.1	0.1	ND	Pass	Spirotetramat	0.03	0.1	0.1	ND	Pass
Fenhexamid	0.03	0.1	0.1	ND	Pass	Spiroxamine	0.03	0.1	0.03	ND	Pass
Fenoxycarb	0.03	0.1	0.03	ND	Pass	Tebuconazole	0.03	0.1	0.1	ND	Pass
Fenpyroximate	0.03	0.1	0.1	ND	Pass	Thiacloprid	0.03	0.1	0.03	ND	Pass
Fipronil	0.03	0.1	0.03	ND	Pass	Thiamethoxam	0.03	0.1	5	ND	Pass
Flonicamid	0.03	0.1	0.1	ND	Pass	Trifloxystrobin	0.03	0.1	0.1	ND	Pass

Date Tested: 02/01/2021 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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Pass

Ming Li - General Manager 02/04/2021

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# **Chief Stix**

Harrens

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Sample ID: HR20210191490	Produced:	Client
Strain: Chief Stix	Collected: 01/29/2021	HHemp.Co
Matrix: Plant	Received: 01/29/2021	Lic. # AG-R10666417IHH
Type: Preroll	Completed: 02/04/2021	924 Chevy Way
Sample Size: 20 units; Batch:	Batch#: CS-CBG:CBD-012921	Medford, OR 97504

## **Residual Solvents**

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	1	1	1	ND	Pass
Acetone	1	10	5000	ND	Pass
Acetonitrile	1	5	410	ND	Pass
Benzene	1	1	1	ND	Pass
Butane	1	25	5000	ND	Pass
Chloroform	1	1	1	ND	Pass
Ethanol	1	10	5000	ND	Pass
Ethyl-Acetate	1	10	5000	ND	Pass
Ethyl-Ether	1	10	5000	ND	Pass
Ethylene Oxide	1	1	1	ND	Pass
Heptane	1	10	5000	ND	Pass
Isopropanol	1	10	5000	ND	Pass
Methanol	1	10	3000	ND	Pass
Methylene-Chloride	1	1	1	ND	Pass
n-Hexane	1	10	290	ND	Pass
Pentane	1	10	5000	ND	Pass
Propane	1	10	5000	ND	Pass
Toluene	1	10	890	ND	Pass
Trichloroethene	1	1	1	ND	Pass
Xylenes	1	10	2170	ND	Pass

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Date Tested: 02/01/2021 ND = Not Detected; SOP HL231. Headspace GC-FID



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QA Testing

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Pass

Ming Li - General Manager 02/04/2021

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## **Chief Stix**

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Sample ID: HR20210191490	Produced:	Client
Strain: Chief Stix	Collected: 01/29/2021	HHemp.Co
Matrix: Plant	Received: 01/29/2021	Lic. # AG-R10666417IHH
Type: Preroll	Completed: 02/04/2021	924 Chevy Way
Sample Size: 20 units; Batch:	Batch#: CS-CBG:CBD-012921	Medford, OR 97504

#### **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: 02/03/2021

Date Tested: 02/03/2021 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. Coliforms refers to Coliform 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	0.4	1		ND	Tested
Aflatoxin B2	0.4	1		ND	Tested
Aflatoxin G1	0.4	1		ND	Tested
Aflatoxin G2	0.4	1		ND	Tested
Total Aflatoxins			20	ND	Pass
Ochratoxin A	0.4	1	20	ND	Pass
Date Tested: 02/02/2021	A				

Date lested: 02/02/2021

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: 02/02/2021

SOP HL 237. Tested by Atomic Fluorescence Spectrometry, HL237

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**QA** Testing

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