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**QA** Testing

1 of 5

Sample ID: HR20191090195 Strain: QR191004A Matrix: Concentrates & Extracts Type: Distillate Sample Size: ; Batch:

QR191004A

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Produced: Collected: 10/10/2019 Received: 10/10/2019 Completed: 10/15/2019 Batch#:

Client Goat Hill Farm Lic.# 981 Howard St. San Francisco, CA 94103





Test Date Tested Result Batch Pass 10/11/2019 Cannabinoids Complete **Residual Solvents** 10/10/2019 Pass Microbials 10/15/2019 Pass Pesticides 10/11/2019 Pass Heavy Metals 10/14/2019 Pass

### Cannabinoids

Complete

ND Total THC		ſ	0.17% Total CBD		<b>0.17%</b> Total Cannabinoids
Analyte	LOD	LOQ	Result	Result	
	%	%	%	mg/g	
THCa	0.0033	0.0100	ND	ND	
Δ9-THC	0.0033	0.0100	ND	ND	
CBDa	0.0033	0.0100	ND	ND	
CBD	0.0033	0.0100	0.17	1.7	
CBN	0.0010	0.0025	ND	ND	
CBG	0.0010	0.0025	ND	ND	
Total THC			ND	ND	
Total CBD			0.17	1.7	
Total			0.17	1.7	

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



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Ming Li - General Manager 10/15/2019

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 ray 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. HL105.10-01

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**QA** Testing

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Pass

## QR191004A

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Sample ID: HR20191090195	Produced:	Client	
Strain: QR191004A	Collected: 10/10/2019	Goat Hill Farm	
Matrix: Concentrates & Extracts	Received: 10/10/2019	Lic. #	
Type: Distillate	Completed: 10/15/2019	981 Howard St.	
Sample Size: ; Batch:	Batch#:	San Francisco, CA 94103	

#### 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	Methyl Parathion	0.03	0.1	0.03	ND	Pass
Carbaryl	0.03	0.1	0.5	ND	Pass	Mevinphos	0.03	0.1	0.03	ND	Pass
Carbofuran	0.03	0.1	0.03	ND	Pass	Myclobutanil	0.03	0.1	0.1	ND	Pass
Chlorantraniliprole	0.03	0.1	10	ND	Pass	Naled	0.03	0.1	0.1	ND	Pass
Chlordane	0.03	0.1	0.03	ND	Pass	Oxamyl	0.03	0.1	0.5	ND	Pass
Chlorfenapyr	0.03	0.1	0.03	ND	Pass	Paclobutrazol	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
DDVP	0.03	0.1	0.03	ND	Pass	Propoxur	0.03	0.1	0.03	ND	Pass
Diazinon	0.03	0.1	0.1	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: 10/11/2019 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





Ming Li - General Manager 10/15/2019

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 rain a ccordance 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. HL105.10-01

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Sample ID: HR20191090195 Strain: QR191004A Matrix: Concentrates & Extracts Type: Distillate Sample Size: ; Batch:	Produced: Collected: 10/10/2019 Received: 10/10/2019 Completed: 10/15/2019 Batch#:	Client <b>Goat Hill Farm</b> Lic. # 981 Howard St. San Francisco, CA	94103		
<b>Residual Solvents</b>					Pass
Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.5	1	1	ND	Pass
Acetone	0.5	10	5000	<loq< td=""><td>Pass</td></loq<>	Pass
Acetonitrile	0.5	5	410	ND	Pass
Benzene	0.5	1	1	ND	Pass
Butane	0.5	25	5000	<loq< td=""><td>Pass</td></loq<>	Pass
Chloroform	0.5	1	1	ND	Pass
Ethanol	0.5	10	5000	23.2	Pass
Ethyl-Acetate	0.5	10	5000	<loq< td=""><td>Pass</td></loq<>	Pass
Ethyl-Ether	0.5	10	5000	ND	Pass
Ethylene Oxide	0.5	1	1	ND	Pass
Heptane	0.5	10	5000	<loq< td=""><td>Pass</td></loq<>	Pass
Isopropanol	0.5	10	5000	ND	Pass
Methanol	0.5	10	3000	ND	Pass
Methylene-Chloride	0.5	1	1	ND	Pass
n-Hexane	0.5	10	290	ND	Pass
Pentane	0.5	10	5000	ND	Pass
Propane	0.5	10	5000	ND	Pass
Toluene	0.5	10	890	<loq< td=""><td>Pass</td></loq<>	Pass
Trichloroethene	0.5	1	1	ND	Pass
Xylenes	0.5	10	2170	ND	Pass

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Date Tested: 10/10/2019 ND = Not Detected; SOP HL231. Headspace GC-FID



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Ming Li - General Manager 10/15/2019

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. HL105.10-01

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**QA** Testing

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Sample ID: HR20191090195 Produced: Client Strain: QR191004A Collected: 10/10/2019 Goat Hill Farm Matrix: Concentrates & Extracts Received: 10/10/2019 Lic.# Type: Distillate Completed: 10/15/2019 981 Howard St. Sample Size: ; Batch: Batch#: San Francisco, CA 94103 Microbials Pass Units Analyte Status

CFU/g	
NR	NT
Not Detected in 1g	Pass
NR	NT
	NR Not Detected in 1g Not Detected in 1g

Date Tested: 10/15/2019

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.



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Ming Li - General Manager 10/15/2019

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. HL105.10-01

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Sample ID: HR20191090195 Strain: QR191004A Matrix: Concentrates & Extracts Type: Distillate Sample Size: ; Batch:	Produced: Collected: 10/10/2019 Received: 10/10/2019 Completed: 10/15/2019 Batch#:	Client <b>Goat Hill Farm</b> Lic. # 981 Howard St. San Francisco, CA 94103			
Heavy Metals					Pass
Analyte	LOD	LOQ	Limit	Mass	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

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Date Tested: 10/14/2019 SOP HL 237



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Ming Li - General Manager 10/15/2019

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. HL105.10-01