

# QR190320A

Sample ID: HR20190390375  
Strain: QR190320A  
Matrix: Topical  
Type: Other  
Sample Size: 4.5 g; Batch:

Produced:  
Collected: 03/25/2019  
Received: 03/25/2019  
Completed: 03/28/2019  
Batch#:

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



## Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	03/26/2019	Complete
Residual Solvents	03/26/2019	Pass
Microbials	03/27/2019	Pass
Pesticides	03/25/2019	Pass
Heavy Metals	03/27/2019	Pass

## Cannabinoids

Complete

<b>ND</b> Total THC	<b>1.77 mg/mL</b> Total CBD	<b>1.77 mg/mL</b> Total Cannabinoids
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Analyte	LOD	LOQ	Result	Result
	mg/mL	mg/mL	mg/mL	mg/g
THCa	0.01	0.01	ND	ND
Δ9-THC	0.01	0.01	ND	ND
Δ8-THC	0.01	0.01	NR	NR
THCVa	0.01	0.01	NR	NR
THCV	0.01	0.01	NR	NR
CBDa	0.01	0.01	ND	ND
CBD	0.01	0.01	1.77	1.95
CBDV	0.01	0.01	NR	NR
CBN	0.01	0.01	ND	ND
CBG	0.01	0.01	ND	ND
CBC	0.01	0.01	NR	NR
<b>Total THC</b>			<b>&lt;LOQ</b>	<b>&lt;LOQ</b>
<b>Total CBD</b>			<b>1.77</b>	<b>1.95</b>
<b>Total</b>			<b>1.77</b>	<b>1.95</b>

1 mL = 0.90884g.

Determination of Cannabinoids by HPLC, HL223

Total THC = THCa \* 0.877 + Δ9-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  
03/28/2019

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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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## Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.03	0.1	0.3	ND	Pass	Fludioxonil	0.03	0.1	30	ND	Pass
Acephate	0.03	0.1	5	ND	Pass	Hexythiazox	0.03	0.1	2	ND	Pass
Acequinocyl	0.03	0.1	4	ND	Pass	Imazalil	0.03	0.1	0.03	ND	Pass
Acetamiprid	0.03	0.1	0.5	ND	Pass	Imidacloprid	0.03	0.1	3	ND	Pass
Aldicarb	0.03	0.1	0.03	ND	Pass	Kresoxim Methyl	0.03	0.1	1	ND	Pass
Azoxystrobin	0.03	0.1	40	ND	Pass	Malathion	0.03	0.1	5	ND	Pass
Bifenazate	0.03	0.1	5	ND	Pass	Metalaxyl	0.03	0.1	15	ND	Pass
Bifenthrin	0.03	0.1	0.5	ND	Pass	Methiocarb	0.03	0.1	0.03	ND	Pass
Boscalid	0.03	0.1	10	ND	Pass	Methomyl	0.03	0.1	0.1	ND	Pass
Captan	0.03	0.1	5	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	9	ND	Pass
Chlorantraniliprole	0.03	0.1	40	ND	Pass	Naled	0.03	0.1	0.5	ND	Pass
Chlordane	0.03	0.1	0.03	ND	Pass	Oxamyl	0.03	0.1	0.2	ND	Pass
Chlorfenapyr	0.03	0.1	0.03	ND	Pass	Pacllobutrazol	0.03	0.1	0.03	ND	Pass
Chlorpyrifos	0.03	0.1	0.03	ND	Pass	Pentachloronitrobenzene	0.03	0.1	0.2	ND	Pass
Clofentezine	0.03	0.1	0.5	ND	Pass	Permethrin	0.03	0.1	20	ND	Pass
Coumaphos	0.03	0.1	0.03	ND	Pass	Phosmet	0.03	0.1	0.2	ND	Pass
Cyfluthrin	0.03	0.1	1	ND	Pass	Piperonyl Butoxide	0.03	0.1	8	ND	Pass
Cypermethrin	0.03	0.1	1	ND	Pass	Prallethrin	0.03	0.1	0.4	ND	Pass
Daminozide	0.03	0.1	0.03	ND	Pass	Propiconazole	0.03	0.1	20	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	0.2	ND	Pass	Pyrethrins	0.03	0.1	1	ND	Pass
Dimethoate	0.03	0.1	0.03	ND	Pass	Pyridaben	0.03	0.1	3	ND	Pass
Dimethomorph	0.03	0.1	20	ND	Pass	Spinetoram	0.03	0.1	3	ND	Pass
Ethoprophos	0.03	0.1	0.03	ND	Pass	Spinosad	0.03	0.1	3	ND	Pass
Etofenprox	0.03	0.1	0.03	ND	Pass	Spiromesifen	0.03	0.1	12	ND	Pass
Etoazole	0.03	0.1	1.5	ND	Pass	Spirotetramat	0.03	0.1	13	ND	Pass
Fenhexamid	0.03	0.1	10	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	2	ND	Pass
Fenpyroximate	0.03	0.1	2	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	4.5	ND	Pass
Fonicamid	0.03	0.1	2	ND	Pass	Trifloxystrobin	0.03	0.1	30	ND	Pass

Date Tested: 03/25/2019  
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



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03/28/2019

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## Residual Solvents

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.5	1	1	ND	Pass
Acetone	0.5	10	5000	ND	Pass
Acetonitrile	0.5	5	410	ND	Pass
Benzene	0.5	1	1	ND	Pass
Butane	0.5	25	5000	ND	Pass
Chloroform	0.5	1	1	ND	Pass
Ethanol	0.5	10	5000	ND	Pass
Ethyl-Acetate	0.5	10	5000	ND	Pass
Ethyl-Ether	0.5	10	5000	ND	Pass
Ethylene Oxide	0.5	1	1	ND	Pass
Heptane	0.5	10	5000	ND	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	ND	Pass
Trichloroethene	0.5	1	1	ND	Pass
Xylenes	0.5	10	2170	ND	Pass
<b>Total Solvents</b>				<b>ND</b>	<b>Tested</b>

ISO 17025 Accredited Laboratory

Date Tested: 03/26/2019  
ND = Not Detected; SOP HL231. Headspace GC-FID



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## Microbials

Analyte	Units	Status
Aerobic Plate Count	CFU/g	
Aspergillus flavus	NR	NT
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 sp.	Not Detected in 1g	Pass
Yeast & Mold	NR	NT



Date Tested: 03/27/2019

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. 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.



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03/28/2019

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## Heavy Metals

Analyte	LOD	LOQ	Limit	Mass	Status
Arsenic	0.25	0.75	1.5	ND	Pass
Cadmium	0.08	0.25	0.5	ND	Pass
Lead	0.08	0.25	0.5	ND	Pass
Mercury	0.50	1.50	3	ND	Pass

**Harrens**<sup>®</sup>  
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Date Tested: 03/27/2019  
SOP HL 237



*Ming Li*

Ming Li - General Manager  
03/28/2019

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