

**Client Name:**  
 Rogue Bioscience  
**Address:**  
 189 Ehrman Way,  
 Medford, OR 97501

**Lot ID:** N/A  
**Contact:**  
 Kevin Walsh  
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**Date Sampled:** Submitted on 09/10/2019  
**Sampled by:** Client  
**Sample Name:** Hawaiian Haze  
**Sample Type:** Hemp Buds

**Description of the sample, sampling condition. Environmental conditions that may impact interpretation of the test result:**  
 Sample appeared normal. There were no any environmental conditions that may impact interpretation of the test result.

**Summary of Test Results**

Items	Value	Pass/Fail
<b>Total THC:</b>	0.3%	N/A
<b>Total CBD:</b>	15.4%	N/A
<b>Water Activity:</b>	0.477 at 25.0 °C	Pass
<b>Moisture Content:</b>	10.6%	Pass
<b>Pesticides:</b>	< LOQ	Pass

*State limit for water activity is 0.65 and 15% for moisture content.*

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# Certificate of Analysis

Sample ID: HawaiianHaze  
 Report ID: TR-HawaiianHaze

Testing for Compliance

Report Date: 09/13/2019

## Moisture Content Analysis

Testing method: SOP-004 Analyzed by: Yujing Wen Analyzed date: 09/12/2019

Batch ID: MC091219

Analyte	Result
Water	10.6%

## Water Activity Analysis

Testing method: SOP-009 Analyzed by: Yujing Wen Analyzed date: 09/12/2019

Batch ID: WA091219

Analyte	Result	Temperature
Water Activity	0.477	25.0 °C

## Potency Analysis

Testing method: SOP-002 Analyzed by: Yujing Wen Analyzed date: 09/10/2019

Batch ID: PO091019

Analyte	Result, %	LOQ, %
THCV	< LOQ	0.1
CBD	1.0	0.1
CBG	< LOQ	0.1
CBDA	16.3	0.1
CBN	< LOQ	0.1
Delta-9 THC	< LOQ	0.1
Delta-8 THC	< LOQ	0.1
CBC	< LOQ	0.1
THCA	0.4	0.1
Total THC: $\Delta 9 + 0.877 \times \text{THCA}$	0.3	N/A
Total CBD: $\text{CBD} + 0.877 \times \text{CBDA}$	15.4	N/A
Total Cannabinoids:	17.7	N/A

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**Pesticides Analysis (Unit: ppm)**

Testing method: SOP-010      Analyzed by: Yujing Wen      Analyzed date: 09/12/2019

Batch ID: PE091219

Analyte	Result	LOQ	State Action Level
Abamectin	< LOQ	0.25	0.5
Acephate	< LOQ	0.20	0.4
Acequinocyl	< LOQ	1.00	2.0
Acetamiprid	< LOQ	0.10	0.2
Aldicarb	< LOQ	0.20	0.4
Azoxystrobin	< LOQ	0.10	0.2
Bifenazate	< LOQ	0.10	0.2
Bifenthrin	< LOQ	0.10	0.2
Boscalid	< LOQ	0.20	0.4
Carbaryl	< LOQ	0.10	0.2
Carbofuran	< LOQ	0.10	0.2
Chloranthraniliprole	< LOQ	0.10	0.2
Chlorfenapyr	< LOQ	1.00	1.0
Chlorpyrifos	< LOQ	0.10	0.2
Clofentezine	< LOQ	0.10	0.2
Cyfluthrin	< LOQ	0.50	1.0
Cypermethrin	< LOQ	0.50	1.0
Daminozide	< LOQ	0.50	1.0
DDVP (Dichlorvos)	< LOQ	0.50	1.0
Diazinon	< LOQ	0.10	0.2
Dimethoate	< LOQ	0.10	0.2
Ethoprophos	< LOQ	0.10	0.2
Etofenprox	< LOQ	0.20	0.4
Etoxazole	< LOQ	0.10	0.2
Fenoxycarb	< LOQ	0.10	0.2
Fenpyroximate	< LOQ	0.20	0.4
Fipronil	< LOQ	0.20	0.4
Flonicamid	< LOQ	0.50	1.0
Fludioxonil	< LOQ	0.20	0.4
Hexythiazox	< LOQ	0.50	1.0

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Imazalil	< LOQ	0.10	0.2
Imidacloprid	< LOQ	0.20	0.4
Kresoxim-Methyl	< LOQ	0.20	0.4
Malathion	< LOQ	0.10	0.2
Metalaxyl	< LOQ	0.10	0.2
Methiocarb	< LOQ	0.10	0.2
Methomyl	< LOQ	0.20	0.4
Methyl_Parathion	< LOQ	0.20	0.2
MGK-264	< LOQ	0.10	0.2
Myclobutanil	< LOQ	0.10	0.2
NALED (Dibrom)	< LOQ	0.25	0.5
Oxamyl	< LOQ	0.50	1.0
Paclobutrazol	< LOQ	0.20	0.4
Permethrins	< LOQ	0.10	0.2
Phosmet	< LOQ	0.10	0.2
Piperonyl_Butoxide	< LOQ	1.00	2.0
Prallethrin	< LOQ	0.10	0.2
Propiconazole	< LOQ	0.20	0.4
Propoxur	< LOQ	0.10	0.2
Pyrethrin	< LOQ	0.50	1.0
Pyridaben	< LOQ	0.10	0.2
Spinosad	< LOQ	0.10	0.2
Spiromesifen	< LOQ	0.10	0.2
Spirotetramat	< LOQ	0.10	0.2
Spiroxamine	< LOQ	0.20	0.4
Tebuconazole	< LOQ	0.20	0.4
Thiacloprid	< LOQ	0.10	0.2
Thiamethoxam	< LOQ	0.10	0.2
Trifloxystrobin	< LOQ	0.10	0.2

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**Attachments:**

**Note:** *if answer is Yes for following items, statement is attached. Otherwise, no attachment.*

Deviation occurred in test? <b>Answer:</b> No	Opinion and interpretation provided? <b>Answer:</b> No
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**Comments:** "N/A" if there is no comment made  
N/A

Shuguo Ma, Ph.D, Quality Manager

Signature:



Date:

13Sep2019

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