

Hawaiian Haze DW

FARM BILL
COMPLIANT



SAMPLE ID
157340

SAMPLE NAME
Hawaiian Haze DW

MATRIX
Flower

COLLECTED
12/12/2019 15:13

RECEIVED
12/12/2019 15:13

DISTRIBUTOR INFO
Blue Ridge Sovereign
Not Available

TOTAL
CBD

15.45 %

TOTAL
THC

ND

TOTAL
CANNABINOIDS

15.45 %

TOTAL
TERPENES

1.23 %

Chemical Residue

No Analytes Detected



Chemical Residue GC

No Analytes Detected



Microbial qPCR

No Analytes Detected



Moisture Content

Moisture Content: 12.48 %

 Indicates that the hemp product passes some of the strictest testing standards available for cannabis and hemp.



CANNABINOID ANALYSIS

- Total THC,CBD value(s) are corrected for moisture content
- Total Cannabinoid value(s) are corrected for moisture content
- Individual Analyte value(s) are corrected for moisture content

TOTAL THC: ND (ND)
 TOTAL CBD: 154.5 mg/g (15.45 %)
 TOTAL CANNABINOIDS: 154.5 mg/g (15.45 %)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
THCa	ND	0.2500	0.5000	CBDv	ND	0.2500	0.5000
D9THC	ND	0.2500	0.5000	CBGa	ND	0.2500	0.5000
D8THC	ND	0.2500	0.5000	CBG	ND	0.2500	0.5000
THCv	ND	0.2500	0.5000	CBN	ND	0.2500	0.5000
CBDa	154.5 mg/g (15.45 %)	0.2500	0.5000	CBC	ND	0.2500	0.5000
CBD	ND	0.2500	0.5000				

ADDITIONAL INFORMATION

Method: SOP-TECH-001
 Instrument: UPLC-DAD

Sample Prepped 12/16/2019 11:16
 Sample Analyzed 12/16/2019 12:57

Sample Approved 12/17/2019 13:39

CHEMICAL RESIDUE ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Abamectin	ND	0.0200	0.0400	0.1000	Acephate	ND	0.0200	0.0400	0.1000
Acequinocyl	ND	0.0200	0.0400	0.1000	Acetamiprid	ND	0.0200	0.0400	0.1000
Aldicarb	ND	0.0200	0.0400	0.0	Azoxystrobin	ND	0.0200	0.0400	0.2000
Bifenazate	ND	0.0200	0.0400	0.1000	Bifenthrin	ND	0.0200	0.0400	3.000
Boscalid	ND	0.0200	0.0400	0.1000	Carbaryl	ND	0.0200	0.0400	0.5000
Carbofuran	ND	0.0200	0.0400	0.0	Chlorantraniliprole	ND	0.0200	0.0400	10.00
Chlorfenapyr	ND	0.0400	0.1000	0.0	Chlorpyrifos	ND	0.0200	0.0400	0.0
Clofentezine	ND	0.0200	0.0400	0.1000	Coumaphos	ND	0.0200	0.0400	0.0
Cyfluthrin	ND	0.4000	1.000	2.000	Cypermethrin	ND	0.4000	1.000	1.000
Daminozide	ND	0.0200	0.0400	0.0	Diazinon	ND	0.0200	0.0400	0.1000
Dichlorvos	ND	0.0200	0.0400	0.0	Dimethoate	ND	0.0200	0.0400	0.0
Dimethomorph	ND	0.0196	0.0392	2.000	Ethoprophos	ND	0.0200	0.0400	0.0
Etofenprox	ND	0.0200	0.0400	0.0	Etoxazole	ND	0.0200	0.0400	0.1000
Fenhexamid	ND	0.0200	0.0400	0.1000	Fenoxycarb	ND	0.0200	0.0400	0.0
Fenpyroximate	ND	0.0200	0.0400	0.1000	Fipronil	ND	0.0400	0.1000	0.0
Flonicamid	ND	0.0200	0.0400	0.1000	Fludioxonil	ND	0.0200	0.0400	0.1000
Hexythiazox	ND	0.0200	0.0400	0.1000	Imazalil	ND	0.0200	0.0400	0.0
Imidacloprid	ND	0.0200	0.0400	5.000	KresoximMethyl	ND	0.0200	0.0400	0.1000
Malathion	ND	0.0200	0.0400	0.5000	Metalaxyl	ND	0.0200	0.0400	2.000
Methiocarb	ND	0.0200	0.0400	0.0	Methomyl	ND	0.0200	0.0400	1.000
Mevinphos	ND	0.0200	0.0400	0.0	Myclobutanil	ND	0.0200	0.0400	0.1000

Naled	ND	0.0200	0.0400	0.1000	Oxamyl	ND	0.0200	0.0400	0.5000
Paclobutrazol	ND	0.0200	0.0400	0.0	Permethrins	ND	0.0396	0.0990	0.5000
Phosmet	ND	0.0200	0.0400	0.1000	PiperonylButoxide	ND	0.0200	0.0400	3.000
Prallethrin	ND	0.0200	0.0400	0.1000	Propiconazole	ND	0.0200	0.0400	0.1000
Propoxur	ND	0.0200	0.0400	0.0	Pyrethrins	ND	0.0184	0.0368	0.5000
Pyridaben	ND	0.0200	0.0400	0.1000	Spinetoram	ND	0.0200	0.0400	0.1000
Spinosad	ND	0.0283	0.0649	0.1000	Spiromesifen	ND	0.0200	0.0400	0.1000
Spirotetramat	ND	0.0200	0.0400	0.1000	Spiroxamine	ND	0.0200	0.0400	0.0
Tebuconazole	ND	0.0200	0.0400	0.1000	Thiacloprid	ND	0.0200	0.0400	0.0
Thiamethoxam	ND	0.0200	0.0400	5.000	Trifloxystrobin	ND	0.0200	0.0400	0.1000

ADDITIONAL INFORMATION

Method: SOP-TECH-002
Instrument: LC-MS/MS

Sample Prepped 12/16/2019 11:16
Sample Analyzed 12/16/2019 12:57

Sample Approved 12/17/2019 16:07

CHEMICAL RESIDUE GC ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Captan	ND	0.1000	0.2000	0.7000	Chlordane	ND	0.0400	0.1000	0.0
MethylParathion	ND	0.0400	0.1000	0.0	PCNB	ND	0.0200	0.0400	0.1000

ADDITIONAL INFORMATION

Method: SOP-TECH-010
Instrument: GC-MS/MS

Sample Prepped 12/16/2019 11:17
Sample Analyzed 12/16/2019 12:57

Sample Approved 12/17/2019 11:02

TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Limonene	0.5642 mg/g (0.0564 %)	0.0500	0.1000	Delta-3-Carene	ND	0.0500	0.1000
Gamma-Terpinene	ND	0.0500	0.1000	Nerolidol	ND	0.0500	0.1000
Linalool	0.2300 mg/g (0.0230 %)	0.0500	0.1000	Geraniol	ND	0.0500	0.1000
Alpha-Bisabolol	0.1791 mg/g (0.0179 %)	0.0500	0.1000	Isopulegol	ND	0.0500	0.1000
Alpha-Pinene	2.091 mg/g (0.2091 %)	0.0500	0.1000	Beta-Pinene	0.9475 mg/g (0.0948 %)	0.0500	0.1000
Eucalyptol	ND	0.0500	0.1000	Ocimene	ND	0.0500	0.1000
Terpinolene	ND	0.0500	0.1000	P-Cymene	ND	0.0500	0.1000
B-Myrcene	5.300 mg/g (0.5300 %)	0.0500	0.1000	Beta-Caryophyllene	2.030 mg/g (0.2030 %)	0.0500	0.1000
Alpha-Terpinene	ND	0.0500	0.1000	Alpha-Humulene	0.5922 mg/g (0.0592 %)	0.0500	0.1000
Guaiol	0.1466 mg/g (0.0147 %)	0.0500	0.1000	Camphene	ND (ND)	0.0500	0.1000
Caryophyllene Oxide	<LLOQ (<LLOQ)	0.0500	0.1000				

ADDITIONAL INFORMATION

Method: SOP-TECH-004
Instrument: HS-GC-FID

Sample Prepped 12/16/2019 18:26
Sample Analyzed 12/16/2019 18:31

Sample Approved 12/17/2019 22:17





MICROBIAL qPCR ANALYSIS

UNIT OF MEASUREMENT: Cycle Threshold (Ct)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
A.fumigatus	ND	33.00	0.0	0.0	A. flavus	ND	33.00	0.0	0.0
A. niger	ND	33.00	0.0	0.0	A. terreus	ND	33.00	0.0	0.0
STEC	ND	33.00	0.0	0.0	Salmonella spp	ND	33.00	0.0	0.0

ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022 Sample Prepped 12/14/2019 16:23 Sample Approved 12/16/2019 12:16
 Instrument: qPCR Sample Analyzed 12/16/2019 09:56



MOISTURE CONTENT ANALYSIS

UNIT OF MEASUREMENT: Percent Moisture Content(%)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Moisture Content	12.48 %	0.0	0.0				

ADDITIONAL INFORMATION

Method: SOP-TECH-017 Sample Prepped 12/16/2019 14:00 Sample Approved 12/16/2019 14:08
 Instrument: Moisture Analyzer Sample Analyzed 12/16/2019 14:01

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

DATA REVIEWED AND APPROVED BY



12/17/2019

Swetha Kaul, PhD
 Chief Scientific Officer

Date

