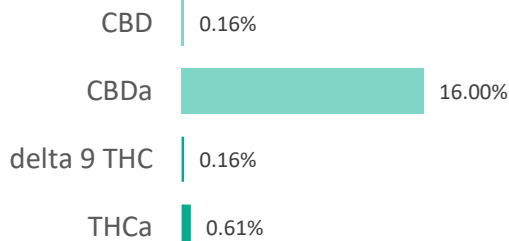
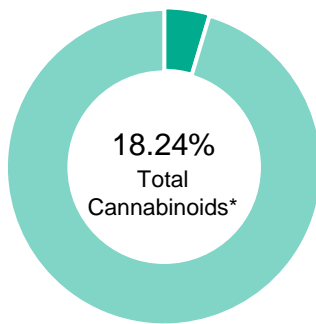


Hawaiian Haze

Batch ID:		Test ID:	T000106883
Type:	Plant	Submitted:	10/29/2020 @ 04:19 PM
Test:	Potency	Started:	10/30/2020
Method:	TM14	Reported:	11/2/2020

CANNABINOID PROFILE




Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.05	0.61	6.1
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.16	1.6
Cannabidiolic acid (CBDA)	0.02	16.00	160.0
Cannabidiol (CBD)	0.03	0.16	1.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.03	ND	ND
Cannabinolic Acid (CBNA)	0.07	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.05	0.33	3.3
Cannabigerol (CBG)	0.03	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	0.03	0.3
Cannabidivarinic Acid (CBDVA)	0.02	0.08	0.8
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.04	0.87	8.7
Cannabichromene (CBC)	0.05	ND	ND
Total Cannabinoids		18.24	182.4
Total Potential THC**		0.69	7.0
Total Potential CBD**		14.19	141.9

NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)
 * Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
 ** Total Potential THC/CBD is calculated using the following formulas
 to take into account the loss of a carboxyl group during
 decarboxylation step.
 $\text{Total THC} = \text{THC} + (\text{THCa} * (0.877))$ and
 $\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$
 ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

 Mara Miller 2-Nov-2020 6:04 PM	 Greg Zimpfer 2-Nov-2020 8:47 PM
PREPARED BY / DATE	APPROVED BY / DATE

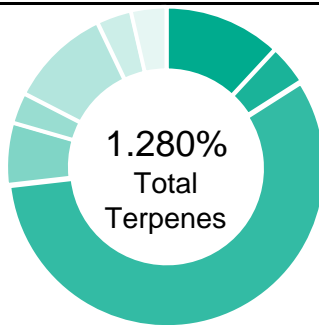
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Certificate #4329.02

Hawaiian Haze

Batch ID:		Test ID:	T000106885
Type:	Plant	Submitted:	10/29/2020 @ 04:19 PM
Test:	Terpenes	Started:	11/3/2020
Method:	TM10	Reported:	11/5/2020

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.044	0.44
Camphene	0.004	0.04
delta-3-Carene	0.000	0
beta-Caryophyllene	0.127	1.27
(-)-Caryophyllene Oxide	0.012	0.12
p-Cymene	0.000	0
Eucalyptol	0.002	0.02
Geraniol	0.000	0
alpha-Humulene	0.043	0.43
(-)-Isopulegol	0.000	0
d-Limonene	0.077	0.77
Linalool	0.038	0.38
beta-Myrcene	0.702	7.02
cis-Nerolidol	0.000	0
trans-Nerolidol	0.011	0.11
Ocimene	0.001	0.01
beta-Ocimene	0.023	0.23
alpha-Pinene	0.146	1.46
(-)-beta-Pinene	0.050	0.5
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	1.280%	12.80

PREDOMINANT TERPENES

alpha-Pinene	0.146%
(-)-beta-Pinene	0.050%
beta-Myrcene	0.702%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.077%
Linalool	0.038%
beta-Caryophyllene	0.127%
alpha-Humulene	0.043%
(-)-alpha-Bisabolol	0.044%

NOTES:

0

FINAL APPROVAL

 Daniel Weidensaul
 5-Nov-2020
 5:28 PM


 Ben Minton
 5-Nov-2020
 6:16 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

Hawaiian Haze

Batch ID:		Test ID:	T000106886
Type:	Plant	Submitted:	10/29/2020 @ 04:19 PM
Test:	Pesticides	Started:	11/3/2020
Method:		Reported:	11/4/2020


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	43 - 2568	ND*	Malathion	312 - 2568	ND*
Acetamiprid	42 - 2568	ND*	Metalaxyl	300 - 2568	ND*
Abamectin	>288	ND*	Methiocarb	43 - 2568	ND*
Azoxystrobin	47 - 2568	ND*	Methomyl	42 - 2568	ND*
Bifenazate	311 - 2568	ND*	MGK 264 1	164 - 2568	ND*
Boscalid	304 - 2568	ND*	MGK 264 2	125 - 2568	ND*
Carbaryl	44 - 2568	ND*	Myclobutanil	45 - 2568	ND*
Carbofuran	44 - 2568	ND*	Naled	294 - 2568	ND*
Chlorantraniliprole	284 - 2568	ND*	Oxamyl	40 - 2568	ND*
Chlorpyrifos	313 - 2568	ND*	Paclobutrazol	45 - 2568	ND*
Clofentezine	298 - 2568	ND*	Permethrin	324 - 2568	ND*
Diazinon	312 - 2568	ND*	Phosmet	306 - 2568	ND*
Dichlorvos	>278	ND*	Prophos	287 - 2568	ND*
Dimethoate	42 - 2568	ND*	Propoxur	44 - 2568	ND*
E-Fenpyroximate	335 - 2568	ND*	Pyridaben	45 - 2568	ND*
Etofenprox	49 - 2568	ND*	Spinosad A	43 - 2568	ND*
Etoxazole	48 - 2568	ND*	Spinosad D	12 - 2568	ND*
Fenoxycarb	>291	ND*	Spiromesifen	>34	ND*
Fipronil	362 - 2568	ND*	Spirotetramat	>294	ND*
Flonicamid	46 - 2568	ND*	Spiroxamine 1	17 - 2568	ND*
Fludioxonil	>343	ND*	Spiroxamine 2	25 - 2568	ND*
Hexythiazox	341 - 2568	ND*	Tebuconazole	315 - 2568	ND*
Imazalil	64 - 2568	ND*	Thiacloprid	42 - 2568	ND*
Imidacloprid	45 - 2568	ND*	Thiamethoxam	41 - 2568	ND*
Kresoxim-methyl	283 - 2568	ND*	Trifloxystrobin	43 - 2568	ND*


* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL

 Tyler Wiese
 4-Nov-2020
 5:59 PM

PREPARED BY / DATE

 Greg Zimpfer
 4-Nov-2020
 8:39 PM

APPROVED BY / DATE

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Hawaiian Haze

Batch ID:	N/A	Test ID:	T000106884
Type:	Plant	Submitted:	10/29/2020 @ 04:19 PM
Test:	Microbial Contaminants	Started:	10/30/2020
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	11/2/2020

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	2.7x10 ⁷ CFU/g
Total Coliforms**	7.5x10 ³ CFU/g
Total Yeast and Molds**	3.8x10 ⁵ CFU/g
E. coli	Absent
STEC and 0157 E. coli	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram



** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
10³ = 1,000 CFU
10⁴ = 10,000 CFU
10⁵ = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter
TYM: 380,000 CFU/g
Total Aerobic: 27,000,000 CFU/g

FINAL APPROVAL


Nick Tumminaro
2-Nov-2020
2:54 PM
Greg Zimpfer
2-Nov-2020
8:03 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

Hawaiian Haze

Batch ID:	N/A	Test ID:	T000106887
Type:	Plant	Submitted:	10/29/2020 @ 04:19 PM
Test:	Metals	Started:	11/2/2020
Method:	TM19	Reported:	11/3/2020

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.046 - 4.64	ND
Cadmium	0.047 - 4.71	ND
Mercury	0.045 - 4.49	ND
Lead	0.043 - 4.32	0.119

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

 Ryan Weems
3-Nov-2020
6:37 PM

PREPARED BY / DATE

 Ben Minton
3-Nov-2020
7:25 PM

APPROVED BY / DATE

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