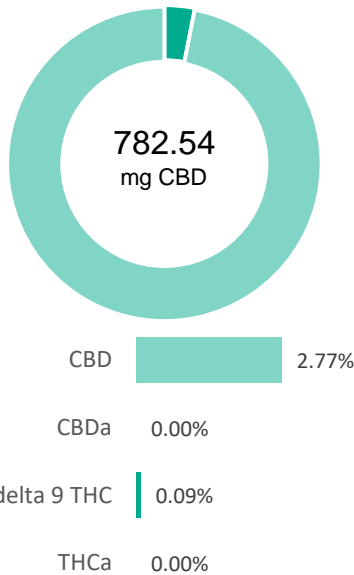


Kava Kava Valerian

Batch ID:	6004178-002	Test ID:	T000127559
Type:	Unit	Submitted:	03/03/2021 @ 04:45 PM
Test:	Potency	Started:	3/5/2021
Method:	TM14	Reported:	3/8/2021

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	4.19	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.73	25.04	0.9
Cannabidiolic acid (CBDA)	5.46	ND	ND
Cannabidiol (CBD)	5.32	782.54	27.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.21	ND	ND
Cannabinolic Acid (CBNA)	2.99	ND	ND
Cannabinol (CBN)	1.37	2.22	0.1
Cannabigerolic acid (CBGA)	4.38	ND	ND
Cannabigerol (CBG)	1.05	21.15	0.8
Tetrahydrocannabivarinic Acid (THCVA)	3.70	ND	ND
Tetrahydrocannabivarin (THCV)	0.95	ND	ND
Cannabidivarinic Acid (CBDVA)	2.28	ND	ND
Cannabidivarin (CBDV)	1.26	2.32	0.1
Cannabichromenic Acid (CBCA)	1.69	ND	ND
Cannabichromene (CBC)	1.84	42.23	1.5
Total Cannabinoids		875.50	31.0
Total Potential THC**		25.04	0.9
Total Potential CBD**		782.54	27.7

NOTES:

of Servings = 1, Sample Weight=28.2g

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

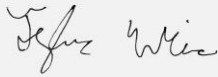

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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

FINAL APPROVAL

 Tyler Wiese 8-Mar-2021 1:58 PM	 Ben Minton 8-Mar-2021 4:33 PM
--	--

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

Kava Kava Valerian

Batch ID:	6004178-002	Test ID:	T000127561
Type:	Edible	Submitted:	03/03/2021 @ 04:45 PM
Test:	Microbial Contaminants	Started:	3/4/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	3/7/2021

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
E. coli (STEC)	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: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:



Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

FINAL APPROVAL


Tori King
7-Mar-2021
6:26 PM
Scott Hansen
7-Mar-2021
9:05 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

Kava Kava Valerian

Batch ID:	6004178-002	Test ID:	T000127560
Type:	Concentrate	Submitted:	03/03/2021 @ 04:45 PM
Test:	Pesticides	Started:	3/9/2021
Method:	TM17	Reported:	3/10/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	38 - 2302	ND*	Malathion	267 - 2302	ND*
Acetamiprid	41 - 2302	ND*	Metalaxyl	36 - 2302	ND*
Abamectin	>205	ND*	Methiocarb	40 - 2302	ND*
Azoxystrobin	39 - 2302	ND*	Methomyl	38 - 2302	ND*
Bifenazate	39 - 2302	ND*	MGK 264 1	148 - 2302	ND*
Boscalid	38 - 2302	ND*	MGK 264 2	107 - 2302	ND*
Carbaryl	37 - 2302	ND*	Myclobutanil	43 - 2302	ND*
Carbofuran	40 - 2302	ND*	Naled	44 - 2302	ND*
Chlorantraniliprole	37 - 2302	ND*	Oxamyl	40 - 2302	ND*
Chlorpyrifos	34 - 2302	ND*	Paclobutrazol	42 - 2302	ND*
Clofentezine	266 - 2302	ND*	Permethrin	258 - 2302	ND*
Diazinon	257 - 2302	ND*	Phosmet	38 - 2302	ND*
Dichlorvos	>251	ND*	Prophos	267 - 2302	ND*
Dimethoate	41 - 2302	ND*	Propoxur	38 - 2302	ND*
E-Fenpyroximate	269 - 2302	ND*	Pyridaben	247 - 2302	ND*
Etofenprox	35 - 2302	ND*	Spinosad A	28 - 2302	ND*
Etoxazole	249 - 2302	ND*	Spinosad D	67 - 2302	ND*
Fenoxycarb	>40	ND*	Spiromesifen	>232	ND*
Fipronil	49 - 2302	ND*	Spirotetramat	>253	ND*
Flonicamid	48 - 2302	ND*	Spiroxamine 1	16 - 2302	ND*
Fludioxonil	>291	ND*	Spiroxamine 2	21 - 2302	ND*
Hexythiazox	31 - 2302	ND*	Tebuconazole	273 - 2302	ND*
Imazalil	258 - 2302	ND*	Thiacloprid	41 - 2302	ND*
Imidacloprid	42 - 2302	ND*	Thiamethoxam	39 - 2302	ND*
Kresoxim-methyl	41 - 2302	ND*	Trifloxystrobin	39 - 2302	ND*


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

N/A

FINAL APPROVAL

 Tyler Wiese
 10-Mar-2021
 3:12 PM

PREPARED BY / DATE

 Ben Minton
 10-Mar-2021
 3:49 PM

APPROVED BY / DATE

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Kava Kava Valerian

Batch ID:	6004178-002	Test ID:	T000127563
Type:	Concentrate	Submitted:	03/03/2021 @ 04:45 PM
Test:	Residual Solvents	Started:	3/9/2021
Method:	TM04	Reported:	3/9/2021


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	103 - 2059	*ND
Butanes (Isobutane, n-Butane)	202 - 4039	*ND
Methanol	58 - 1158	*ND
Pentane	94 - 1889	*ND
Ethanol	90 - 1803	*ND
Acetone	95 - 1907	*ND
Isopropyl Alcohol	95 - 1894	*ND
Hexane	6 - 114	*ND
Ethyl Acetate	93 - 1859	*ND
Benzene	0.2 - 4	*ND
Heptanes	97 - 1935	*ND
Toluene	17 - 339	*ND
Xylenes (m,p,o-Xylenes)	118 - 2369	*ND

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

NOTES:
N/A

FINAL APPROVAL


Ryan Weems
9-Mar-2021
5:52 PM
PREPARED BY / DATE
Greg Zimpfer
9-Mar-2021
6:29 PM
APPROVED BY / DATE

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Certificate #4329.02

Kava Kava Valerian


Batch ID:	6004178-002	Test ID:	T000127562
Type:	Unit	Submitted:	03/03/2021 @ 04:45 PM
Test:	Metals	Started:	3/8/2021
Method:	TM19	Reported:	3/10/2021

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.064 - 6.39	ND
Cadmium	0.066 - 6.64	ND
Mercury	0.063 - 6.30	ND
Lead	0.068 - 6.79	ND

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

FINAL APPROVAL


Ryan Weems
10-Mar-2021
11:03 AM

PREPARED BY / DATE


Greg Zimpfer
10-Mar-2021
2:48 PM

APPROVED BY / DATE

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