

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Report Date	2/8/2024	Country of Origin	Fiji
Sample Number	S2068	Country of Processing	United States
Product Name	Savusavu Waka	Manufacture Date	Jan-24
Lot Number	FLK2312-SW1	Best By Date	Jan-29

ITEM	SPECIFICATION	TEST RESULTS	METHOD
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PHYSICAL & CHEMICAL

Identification	Piper methysticum	Complies	HPLC
Appearance	Beige to Yellow Powder	Complies	Organoleptic
Kavalactone Standard	2-17 % Kavalactones	8.07%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	426351	HPLC
K/DHM	> 1.2 for Noble	1.9	Calculation

HEAVY METALS

		Tai	LK Reserve		
Arsenic (As)	NMT 1,000 (ppb)	66.5	27.1	ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)	753	171	ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)	117	62.2	ppb	FDA EAM 4.7
Mercury (Hg)	NMT 1,000 (ppb)	< 10	< 10	ppb	FDA EAM 4.7

*Heavy Metals Action Limits Based on Maximum PDE at 5% Kavalactones. Results May Exceed 1,000 ppb action limit with higher kavalactone contents.

MICROBIOLOGICAL

		Tai	LK Reserve		
AEROBIC PLATE COUNT	NMT 10,000,000 cfu	52,000	8,800	cfu / g	USP 2021
E. COLI	ABSENT (cfu/10g)	Absent		cfu / 10 g	USP 2022
PSEUDOMONAS AERUGINOSA	ABSENT (cfu/10g)	Absent		cfu / 10 g	USP 2022
SALMONELLA	ABSENT (cfu/10g)	Absent		cfu / 10 g	USP 2022
STAPHYLOCOCCUS AUREUS	ABSENT (cfu/10g)	Absent		cfu / 10 g	USP 2022
YEAST	NMT 100,000 cfu (Combined)	28,000	400	cfu / g	
MOLD		260	40	cfu / g	USP 2021
TOTAL YEAST & MOLD	NMT 100,000 cfu (Combined)	28260	440	cfu / 10 g	

cfu/g = Colony Forming Units Per Gram NMT = No More Than PDE = Permitted Daily Exposure PPB = Parts Per Billion

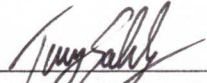
Analysis Performed by a Third-Party Laboratory

We are dedicated to offer the best quality of botanical products on the market. We test and stand behind our products.

Disclaimer * The test results are accurate to the best of our knowledge and are based upon reputable laboratory and industry standard testing methods.

These results should not be used as a final determination for use in a finished product. It is recommended that you verify these test results with an in-house quality control department or obtain an additional independent third-party lab to verify that this material meets specifications.

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Completed By:  Title: Manager Date: 2/9/2024

SAMPLE S2068
Vial 12

0.75447g/50 mL

wavelength 246 nm

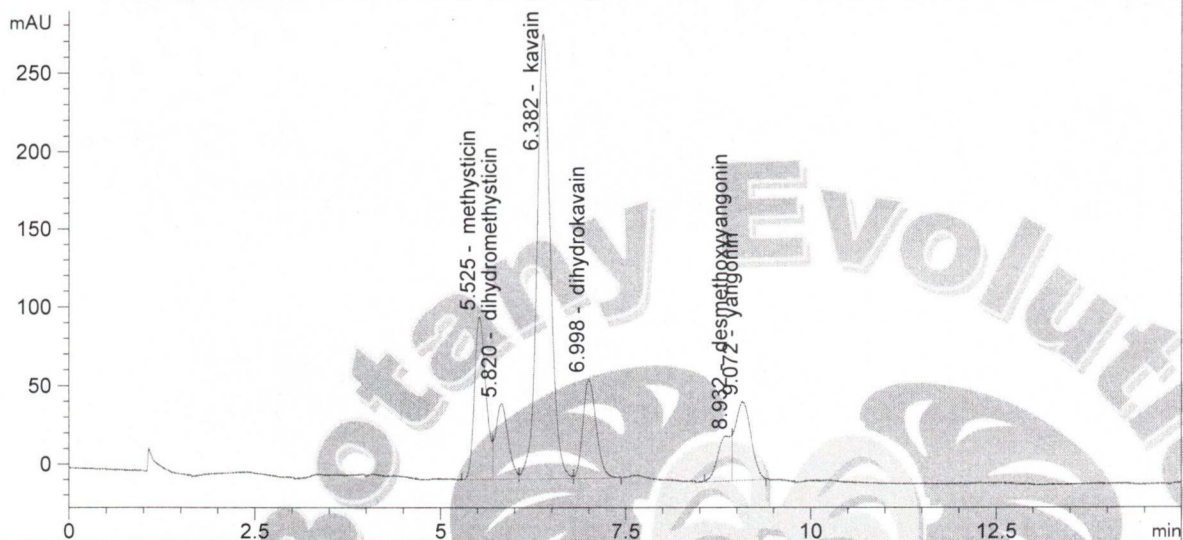
C:\CHEM32\1\DATA\KAVA_02_06_2024_15MINSTDTESTMETHOD 2024-02-06 15-45-20\01->
SEQUENCE C:\CHEM32\1\DATA\KAVA_02_06_2024_ ->

Injection date 2/6/2024
Injection time 9:08:50 PM

Acq. operator KRISTL

Method C:\CHEM32\1\DATA\KAVA_02_06_202->

DAD1 C, Sig=246,10 Ref=500,60 (KAVA_02_06_2024_15MINSTDTESTMETHOD 2024-02-06 15-45-20\012-1501.D)



#	COMPOUND	RET. TIME	AREA	AREA %	AMOUNT
1	methysticin	5.525	1142.896	15.88	0.000
2	dihydromethysticin	5.820	568.291	7.89	0.000
3	kavain	6.382	3577.637	49.70	0.000
4	dihydrokavain	6.998	791.465	10.99	0.000
5	desmethoxyyangonin	8.932	364.066	5.06	0.000
6	yangonin	9.072	754.458	10.48	0.000

2/8/24
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