

# CERTIFICATE OF ANALYSIS

**GENERAL INFORMATION**

Report Date	8/14/2024	Country of Origin	Fiji
Sample Number	S2171	Country of Processing	USA
Product Name	Savusavu Waka	Manufacture Date	Jun-24
Lot Number	FLK2407-SW8	Best By Date	Jun-27

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	6.61%	HPLC
Kavalactone Profile	Noble	Pass	HPLC
Chemotype	If # 5 is in 1st or 2nd in Abundance	426351	HPLC
K/DHM	> 1.2 for Noble	1.6	Calculation

**HEAVY METALS**

		Results	
Arsenic (As)	NMT 1,000 (ppb)*	26.1 ppb	FDA EAM 4.7
Cadmium (Cd)	NMT 1,000 (ppb)*	358.5 ppb	FDA EAM 4.7
Lead (Pb)	NMT 1,000 (ppb)*	77 ppb	FDA EAM 4.7
Mercury (Hg)	NMT 1,000 (ppb)*	< 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**

		Results	
<b>AEROBIC PLATE COUNT</b>	NMT 10,000,000 cfu	250,000 cfu / 10 g	USP 2021
<b>E. COLI</b>	ABSENT (cfu/10g)	Absent cfu / 10 g	USP 2022
<b>PSEUDOMONAS AERUGINOSA</b>	ABSENT (cfu/10g)	Absent cfu / 10 g	USP 2022
<b>SALMONELLA</b>	ABSENT (cfu/10g)	Absent cfu / 10 g	USP 2022
<b>STAPHYLOCOCCUS AUREUS</b>	ABSENT (cfu/10g)	Absent cfu / 10 g	USP 2022
<b>YEAST</b>	NMT 100,000 cfu (Combined)	10 cfu / 10 g	
<b>MOLD</b>		465 cfu / 10 g	USP 2021
<b>TOTAL YEAST &amp; MOLD</b>	NMT 100,000 cfu (Combined)	475 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: Tony Sabeh      Title: Manager      Signature: Tony Sabeh