



# Certificate of Analysis for

MitraMan Botanicals  
PO Box 8305  
Round Rock, TX 78683  
Phone: (737) 256-2285

Received: 9/17/2024 @ 23.7 °C  
Report ID: 2409632

**Sample ID:** 2409632-003 Premium Vanuatu Root

**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 09/18/24**

Aerobic Plate Count	2,700,000	CFU/g
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**CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 09/18/24**

Total Coliform Bacteria	1,500	CFU/g
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**ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 09/18/24**

Escherichia coli	< 100	CFU/g
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**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 09/20/24**

Arsenic (As)	0.0582	mg/kg (ppm)	Cadmium (Cd)	0.260	mg/kg (ppm)
Lead (Pb)	0.0883	mg/kg (ppm)	Mercury (Hg)	< 0.00500	mg/kg (ppm)

**Kava.1: USP Monograph for Piper methysticum Root - Content of Kavalactones by HPLC-UV Analyzed 09/20/24**

Desmethoxyyangonin	0.595	%	Dihydrokawain	1.76	%
Dihydromethysticin	0.750	%	Kawain	1.99	%
Methysticin	0.897	%	Total Kavalactones	7.08	%
Yangonin	1.08	%			

**Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 09/18/24**

Salmonella spp.	Negative	/25 g
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**STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 09/18/24**

Staphylococcus aureus	< 100	CFU/g
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**STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 09/18/24**

Shiga toxin-producing E. coli	Negative	/25 g
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**YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 09/18/24**

Yeast and Mold	100	CFU/g
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Reported By: \_\_\_\_\_

Jake S Hedges, Chemistry Laboratory Technician, 9/23/2024