

**Certificate of Analysis for**

MitraMan Botanicals  
PO Box 8305  
Round Rock, TX 78664  
Phone: (512) 200-1032

Received: 2/16/2023 @ 20.9 °C  
Report ID: 2302587

**Sample ID:** 2302587-005 **Description:** Red Elephant (0223)

**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 02/16/23**

Aerobic Plate Count	26,000	CFU/g
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**CC.1a: CC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 02/16/23**

Total Coliform Bacteria	400	CFU/g
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**EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 02/16/23**

Escherichia coli	< 100	CFU/g
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**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 02/21/23**

Arsenic (As)	0.197	mg/kg (ppm)	Cadmium (Cd)	0.017	mg/kg (ppm)
Lead (Pb)	0.380	mg/kg (ppm)	Mercury (Hg)	0.015	mg/kg (ppm)

**MIT.1: Mitragynine via AOAC 2017.14 Analyzed 02/20/23**

7-Hydroxymitragynine	< 0.010	%	Mitragynine	1.31	%
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**Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 02/16/23**

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 02/16/23**

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 02/16/23**

Shiga toxin-producing E. coli	Negative	/25 g
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**YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 02/16/23**

Yeast and Mold	4,000	CFU/g
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Mitragynine concentration includes Paynantheine at approximately 5 - 20% of the total mitragynine concentration.

RPC 2-21-23

Reported By: \_\_\_\_\_

Ryan Connelly, Chemistry Laboratory Manager, 2/21/2023