

**Certificate of Analysis for**

MitraMan Botanicals
17201 Guana Cay Dr
Round Rock, TX 78664
Phone: (737) 256-2285

Received: 5/25/2023 @ 23.1 °C
Report ID: 2305A96

Sample ID: 2305A96-002 **Description:** Red Horn - 0423

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 05/25/23

Aerobic Plate Count	23,000	CFU/g
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CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 05/25/23

Total Coliform Bacteria	< 100	CFU/g
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ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 05/25/23

Escherichia coli	< 100	CFU/g
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 05/31/23

Arsenic (As)	0.050	mg/kg (ppm)	Cadmium (Cd)	0.014	mg/kg (ppm)
Lead (Pb)	0.391	mg/kg (ppm)	Mercury (Hg)	0.012	mg/kg (ppm)

MIT.1: Mitragynine via AOAC 2017.14 Analyzed 05/26/23

7-Hydroxymitragynine	< 0.010	%	Mitragynine	1.48	%
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Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 05/25/23

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 05/25/23

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 05/25/23

Shiga toxin-producing E. coli	Negative	/25 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 05/25/23

Yeast and Mold	600	CFU/g
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Mitragynine concentration includes Paynantheine at approximately 5 - 20% of the total mitragynine concentration.

RPC 5-31-23

Reported By: _____

Ryan Connelly, Chemistry Laboratory Manager, 6/1/2023