

**Certificate of Analysis for**

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

Received: 1/2/2024 @ 22 °C
Report ID: 2401023

Sample ID: 2401023-003 Red Elephant

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 01/02/24

| | | |
|---------------------|---------|-------|
| Aerobic Plate Count | 420,000 | CFU/g |
|---------------------|---------|-------|

CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/02/24

| | | |
|-------------------------|-----|-------|
| Total Coliform Bacteria | 900 | CFU/g |
|-------------------------|-----|-------|

ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/02/24

| | | |
|------------------|-------|-------|
| Escherichia coli | < 100 | CFU/g |
|------------------|-------|-------|

ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 01/03/24

| | | | | | |
|--------------|-------|-------------|--------------|-------|-------------|
| Arsenic (As) | 0.082 | mg/kg (ppm) | Cadmium (Cd) | 0.012 | mg/kg (ppm) |
| Lead (Pb) | 0.105 | mg/kg (ppm) | Mercury (Hg) | 0.014 | mg/kg (ppm) |

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 01/03/24

| | | | | | |
|----------------------|---------|---|--------------------|---------|---|
| 7-Hydroxymitragynine | < 0.010 | % | Isorhynchophylline | < 0.100 | % |
| Mitragynine | 1.95 | % | Mitraphylline | < 0.100 | % |
| Paynantheine | 0.422 | % | Speciociliatine | 0.321 | % |
| Speciogynine | 0.303 | % | Total Alkaloids | 3.00 | % |

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 01/02/24

| | | |
|-----------------|----------|-------|
| Salmonella spp. | Negative | /25 g |
|-----------------|----------|-------|

STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 01/02/24

| | | |
|-----------------------|-------|-------|
| Staphylococcus aureus | < 100 | CFU/g |
|-----------------------|-------|-------|

STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 01/02/24

| | | |
|-------------------------------|----------|-------|
| Shiga toxin-producing E. coli | Negative | /25 g |
|-------------------------------|----------|-------|

YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 01/02/24

| | | |
|----------------|--------|-------|
| Yeast and Mold | 40,000 | CFU/g |
|----------------|--------|-------|

Reported By:

Ryan Connelly, Chemistry Laboratory Manager, 1/5/2024