



# Certificate of Analysis for

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

Received: 1/29/2025 @ 20.3 °C  
Report ID: 2501C01

**Sample ID:** 2501C01-006 Red Horn

**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 01/29/25**

|                     |       |       |
|---------------------|-------|-------|
| Aerobic Plate Count | 5,400 | CFU/g |
|---------------------|-------|-------|

**CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/29/25**

|                         |       |       |
|-------------------------|-------|-------|
| Total Coliform Bacteria | < 100 | CFU/g |
|-------------------------|-------|-------|

**ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/29/25**

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

**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 02/03/25**

|              |        |             |              |        |             |
|--------------|--------|-------------|--------------|--------|-------------|
| Arsenic (As) | 0.0381 | mg/kg (ppm) | Cadmium (Cd) | 0.0200 | mg/kg (ppm) |
| Lead (Pb)    | 0.321  | mg/kg (ppm) | Mercury (Hg) | 0.0129 | mg/kg (ppm) |

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 01/31/25**

|                      |          |   |                    |         |   |
|----------------------|----------|---|--------------------|---------|---|
| 7-Hydroxymitragynine | < 0.0100 | % | Isorhynchophylline | < 0.100 | % |
| Mitragynine          | 1.52     | % | Mitraphylline      | < 0.100 | % |
| Paynantheine         | 0.238    | % | Speciociliatine    | 0.229   | % |
| Speciogynine         | 0.169    | % | Total Alkaloids    | 2.15    | % |

**Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 01/30/25**

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

**STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 01/29/25**

|                       |       |       |
|-----------------------|-------|-------|
| 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 01/30/25**

|                                         |          |       |
|-----------------------------------------|----------|-------|
| Shiga toxin-producing E. coli (stx-eae) | Negative | /25 g |
|-----------------------------------------|----------|-------|

**YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 01/29/25**

|                |       |       |
|----------------|-------|-------|
| Yeast and Mold | 1,000 | CFU/g |
|----------------|-------|-------|

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

Jake S Hedges, Chemistry Laboratory Supervisor, 2/3/2025