



Certificate of Analysis

Date: Oct 09, 2025

Lot Number: B100925V

| | | |
|----------------------------|----------------------------|----------------------|
| Source: Mitragyna Speciosa | Type of Sample: Raw Powder | Weight of Sample: 2g |
|----------------------------|----------------------------|----------------------|

Legend

| | |
|-----------|---|
| TPC | Total plate count |
| ND | None detected |
| CFU/g | Colony-forming units per gram |
| ppm | Parts per million |
| SD | Standard deviation |
| REF VALUE | Primary or secondary reference material |
| STD | Secondary standard calibrated to primary standard reference material |
| So | Standard deviation at zero analyte concentration; method detection limit is generally considered to be 3x So value. |
| %w/w | Percent weight by weight |

Alkaloid Profile

| Alkaloid | Sample 1 (%w/w) | Lab Blank | So | REF. VALUE | STD ± 2SD | Amount (%) |
|----------------------|-----------------|-----------|-------|------------|-------------|------------|
| Mitragynine | 1.95 | ND | 0.003 | 1.00 | 1.08 ± 0.02 | 1.95% |
| 7-Hydroxymitragynine | ND | ND | 0.003 | 1.00 | 1.06 ± 0.02 | ND |

Heavy Metals Screening

| Heavy Metals | Results (ppm) |
|--------------|---------------|
| Antimony | <0.010 |
| Arsenic | 0.091 |
| Cadmium | <0.010 |
| Chromium | 1.94 |
| Cobalt | <0.005 |
| Copper | 19.9 |
| Gold | <0.040 |
| Iron | 189 |
| Lanthanum | <0.020 |
| Lead | 0.124 |
| Manganese | 1230 |
| Mercury | <0.010 |
| Molybdenum | 0.166 |
| Nickel | 1.83 |
| Silver | <0.010 |
| Tin | 1.33 |
| Tungsten | 0.664 |
| Vanadium | 0.332 |
| Zinc | 12.5 |

Microbial Screening

| Microbial Contaminants | Results (CFU/g) |
|------------------------------|-----------------|
| Coliforms | ND |
| <i>Escherichia coli</i> | ND |
| Enterococci | ND |
| Fecal | ND |
| Fungi | ND |
| Lactose Fermenters | ND |
| <i>Staphylococcus aureus</i> | ND |
| <i>Staphylococcus</i> spp. | ND |
| TPC | 369 |
| Yeast | ND |

Results based on third-party lab analysis conducted by [M.B. Labs LTD](#)

Job No.: W189843 (Alkaloid Profile)

Job No.: W189398 (Heavy Metals & Microbial Screening)



Quality Control