



## 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, Date: 09/19/2025 (Alkaloid Profile)

Job No.: W189398, Date: 08/25/25 (Heavy Metals & Microbial Screening)



Quality Control