

# CERTIFICATE OF ANALYSIS



**SAMPLE NAME:** PART # 10200 - GOLDEN MONK GREEN (1000 CT ) CAPSULES  
**SAMPLE CODE:** DTS-250402-005  
**CLIENT:** MIT45  
**BATCH RESULT:** PASS

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**MATRIX NAME:** Pill - Capsule  
**SAMPLE TYPE:** Quality Assurance  
**RECEIVED DATE:** Fri, Apr 4, 2025  
**PUBLISHED DATE:** Wed, Apr 9, 2025  
**BATCH/LOT CODE:** 2270G  
**BATCH SIZE:** 1U  
**SAMPLE SIZE:** 1U  
**AVERAGE UNIT WEIGHT:** 0.6257g (One serving is 5 capsules. 200 servings/package.)

**MITRAGYNINE** 36.06 mg / serv

**TOTAL MAJOR ALKALOIDS** 58.36 mg / serv

**TOTAL MINOR ALKALOIDS** 0.09 mg / serv

**ALKU** ✓  
**Kratom Alkaloids**  
High Level

**ALKL** ✓  
**Kratom Alkaloids**  
Low Level

**SAL** ✓  
**Salmonella**  
25g qPCR

**ECOLI** ✓  
**Total E. Coli & Coliforms**  
Plate

**TAMC** ✓  
**Total Aerobic Bacteria**  
Plate

**SAUR** ✓  
**Staphylococcus aureus**  
Plate

**TYMFD** ✓  
**Total Yeast & Mold**  
Plate

**FTIRR** ✓  
**Identification by FTIR**  
Report

## APPROVALS

### RESULTS REVIEWED BY:

**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Wednesday, Apr 9, 2025

### RESULTS CERTIFIED BY:

**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Wednesday, Apr 9, 2025

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| <div>ALKU</div> <div>KRATOM ALKALOIDS - HIGH LEVEL</div> <div>LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD</div> <div>ALKU-DTS-250402-005-01 - TUE, APR 8, 2025</div> |          |              |             |             |              |          |          |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|-------------|-------------|--------------|----------|----------|--------|
| ANALYTE                                                                                                                                                                                    | VALUE    | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD      | LOQ      | STATUS |
| Mitragynine                                                                                                                                                                                | 1.1527 % | 11.527 mg/g  | 36.06 mg    | 7212.44 mg  | N/A          | 0.3 ug/g | 0.5 ug/g | N/A    |
| Speciociliatine                                                                                                                                                                            | 0.3251 % | 3.251 mg/g   | 10.17 mg    | 2034.15 mg  | N/A          | 0.3 ug/g | 0.5 ug/g | N/A    |
| Paynantheine                                                                                                                                                                               | 0.2431 % | 2.431 mg/g   | 7.61 mg     | 1521.08 mg  | N/A          | 0.3 ug/g | 0.5 ug/g | N/A    |
| Speciogyneine                                                                                                                                                                              | 0.1444 % | 1.444 mg/g   | 4.52 mg     | 903.51 mg   | N/A          | 0.3 ug/g | 0.5 ug/g | N/A    |
| Total Major Alkaloids                                                                                                                                                                      | 1.8653 % | 18.653 mg/g  | 58.36 mg    | 11671.18 mg | N/A          | N/A      | N/A      | N/A    |

| <div>ALKL</div> <div>KRATOM ALKALOIDS - LOW LEVEL</div> <div>LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ</div> <div>ALKL-DTS-250402-005-01 - WED, APR 9, 2025</div> |           |              |             |             |              |            |            |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|-------------|-------------|--------------|------------|------------|--------|
| ANALYTE                                                                                                                                                                                | VALUE     | VALUE (MG/G) | PER SERVING | PER PACKAGE | ACTION LIMIT | LOD        | LOQ        | STATUS |
| 7-Hydroxymitragynine                                                                                                                                                                   | 0.00280 % | 0.028 mg/g   | 0.09 mg     | 17.54 mg    | N/A          | 0.002 ug/g | 0.011 ug/g | N/A    |
| Mitraphylline                                                                                                                                                                          | 0.00001 % | 0.000 mg/g   | 0.00 mg     | 0.08 mg     | N/A          | 0.004 ug/g | 0.019 ug/g | N/A    |
| Total Minor Alkaloids                                                                                                                                                                  | 0.00282 % | 0.028 mg/g   | 0.09 mg     | 17.62 mg    | N/A          | 0.006 ug/g | 0.03 ug/g  | N/A    |



| <div>SAL</div> <div>SALMONELLA - 25G QPCR</div> <div>LAB-TM-063 - DETECTION AND ISOLATION OF SALMONELLA SPP. IN FOODS AND DIETARY SUPPLEMENTS</div> <div>SAL-DTS-250402-005-01 - TUE, APR 8, 2025</div> |       |              |     |     |  |  |  |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|-----|-----|--|--|--|--------|
| ANALYTE                                                                                                                                                                                                 | VALUE | ACTION LIMIT | LOD | LOQ |  |  |  | STATUS |
| Salmonella Spp                                                                                                                                                                                          | ND    | Detection    | N/A | N/A |  |  |  | PASS   |



| <div>ECOLI</div> <div>TOTAL E. COLI &amp; COLIFORMS - PLATE</div> <div>LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS</div> <div>ECOLI-DTS-250402-005-01 - TUE, APR 8, 2025</div> |       |              |          |          |  |  |  |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|----------|--|--|--|--------|
| ANALYTE                                                                                                                                                                                                                             | VALUE | ACTION LIMIT | LOD      | LOQ      |  |  |  | STATUS |
| E. coli                                                                                                                                                                                                                             | ND    | Detection    | 10 CFU/g | 10 CFU/g |  |  |  | PASS   |
| Total Coliforms                                                                                                                                                                                                                     | ND    | 1000 CFU/g   | 10 CFU/g | 10 CFU/g |  |  |  | PASS   |



| <div>TAMC</div> <div>TOTAL AEROBIC BACTERIA - PLATE</div> <div>LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS</div> <div>TAMC-DTS-250402-005-01 - TUE, APR 8, 2025</div> |             |              |           |           |  |  |  |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-----------|-----------|--|--|--|--------|
| ANALYTE                                                                                                                                                                                                    | VALUE       | ACTION LIMIT | LOD       | LOQ       |  |  |  | STATUS |
| Total Aerobic Count                                                                                                                                                                                        | 10900 CFU/g | 100000 CFU/g | 100 CFU/g | 100 CFU/g |  |  |  | PASS   |



| <div>SAUR</div> <div>STAPHYLOCOCCUS AUREUS - PLATE</div> <div>LAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS</div> <div>SAUR-DTS-250402-005-01 - TUE, APR 8, 2025</div> |       |              |          |          |  |  |  |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------|----------|--|--|--|--------|
| ANALYTE                                                                                                                                                                                                     | VALUE | ACTION LIMIT | LOD      | LOQ      |  |  |  | STATUS |
| S. aureus                                                                                                                                                                                                   | ND    | Detection    | 10 CFU/g | 10 CFU/g |  |  |  | PASS   |



TYMFD

TOTAL YEAST & MOLD - PLATE

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS

TYMFD-DTS-250402-005-01 - WED, APR 9, 2025

| ANALYTE              | VALUE    | ACTION LIMIT | LOD      | LOQ      | STATUS |
|----------------------|----------|--------------|----------|----------|--------|
| Total Yeast and Mold | 90 CFU/g | 1000 CFU/g   | 10 CFU/g | 10 CFU/g | PASS   |

FTIRR

IDENTIFICATION BY FTIR - REPORT

NULL IDENTIFICATION BY FTIR

FTIRR-DTS-250402-005-01 - TUE, APR 8, 2025

| ANALYTE             | VALUE   | ACTION LIMIT | LOD | LOQ | STATUS |
|---------------------|---------|--------------|-----|-----|--------|
| Quality Index Score | 99.72 % | 95-100 %     | N/A | N/A | PASS   |

Matched Library Item: Golden Monk Green Capsule

