# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** FIJI

**SAMPLE CODE:** DTS-240401-020

**CLIENT:** KATS BOTANICALS

**BATCH RESULT:** PASS

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**MATRIX NAME:** Botanical Powder - Plant
**SAMPLE TYPE:** Compliance
**RECEIVED DATE:** Mon, Apr 1, 2024
**PUBLISHED DATE:** Thu, Apr 4, 2024
**BATCH CODE:** Lot# FKM0802P
**BATCH SIZE:** 0
**SAMPLE SIZE:** 1U

| KAVAL ✓ | ECOLI ✓ | TAMC ✓ | SS ✓ | TYMFD ✓ |
|---|---|---|---|---|
| Kavalactones & Kavains | Total E. Coli & Coliforms<br>Plate | Total Aerobic Bacteria<br>Plate | Salmonella & STEC<br>qPCR | Total Yeast & Mold<br>Plate |

| HPMET ✓ |
|---|
| Heavy Metals<br>7 |

**RESULTS REVIEWED BY:** Leslie Varela
Laboratory Director
Cambium Analytica
Thursday, Apr 4, 2024

**RESULTS CERTIFIED BY:** Douglas Smith
VP - Scientific Operations
Cambium Analytica
Thursday, Apr 4, 2024

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### LAB-TM-067 - DETERMINATION OF KAVALACTONES & KAVAINS BY LC-DAD
KAVAL-DTS-240401-020-01 - MON, APR 1, 2024

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|---|---|---|---|---|---|
| Total Kavalactones | 5.544 % | N/A | | | N/A |
| Kavain | 1.282 % | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Dihydrokavain | 1.161 % | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Methysticin | 1.073 % | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Yangonin | 0.789 % | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Dihydromethysticin | 0.784 % | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Desmethoxyyangonin | 0.352 % | N/A | 0.25 ug/g | 1 ug/g | N/A |
| Flavokavain A | 0.061 % | N/A | 0.025 ug/g | 0.1 ug/g | N/A |
| Flavokavain B | 0.042 % | N/A | 0.025 ug/g | 0.1 ug/g | N/A |

### LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS
ECOLI-DTS-240401-020-01 - MON, APR 1, 2024

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|---|---|---|---|---|---|
| E. coli | ND | 20 CFU/g | 10 CFU/g | 10 CFU/g | PASS |
| Total Coliforms | 940 CFU/g | 10000 CFU/g | 10 CFU/g | 10 CFU/g | PASS |

### LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS
TAMC-DTS-240401-020-01 - MON, APR 1, 2024

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|---|---|---|---|---|---|
| Total Aerobic Count | 97000 CFU/g | 10000000 CFU/g | 1000 CFU/g | 1000 CFU/g | PASS |

### LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR
SS-DTS-240401-020-01 - MON, APR 1, 2024

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|---|---|---|---|---|---|
| Salmonella Spp | ND | Detection | | | PASS |
| Shiga Toxin Producing E. coli | ND | N/A | | | N/A |

### LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-240401-020-01 - MON, APR 1, 2024

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|---|---|---|---|---|---|
| Total Yeast and Mold | 40 CFU/g | 100000 CFU/g | 10 CFU/g | 10 CFU/g | PASS |

### LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HPMET-DTS-240401-020-01 - MON, APR 1, 2024

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|---|---|---|---|---|---|
| Arsenic | 0.307 ug/g | 1000 ug/g | 0.1985 ug/kg | 0.6616 ug/kg | PASS |
| Cadmium | 0.192 ug/g | 0.4 ug/g | 0.0817 ug/kg | 0.2724 ug/kg | PASS |
| Chromium | 2.679 ug/g | N/A | 0.6272 ug/kg | 2.0907 ug/kg | N/A |
| Copper | 8.362 ug/g | N/A | 0.1546 ug/kg | 0.5152 ug/kg | N/A |
| Lead | 0.072 ug/g | 1.250 ug/g | 0.2817 ug/kg | 0.2817 ug/kg | PASS |
| Mercury | 0.002 ug/g | 0.2 ug/g | 0.0171 ug/kg | 0.0571 ug/kg | PASS |
| Nickel | 1.407 ug/g | 20 ug/g | 0.3213 ug/kg | 1.0709 ug/kg | PASS |