


|   |                       |
|---|-----------------------|
|  | <b>SIGNATURE PAGE</b> |
| <b>RECORD ID:</b> <a href="#">GLB-FGS-0007</a>                                    |                       |
| <b>TITLE:</b> 50030 - M2 Turkey Tail ( <i>Trametes versicolor</i> )               |                       |
| <b>AUTHOR:</b> Jimena Calfa   |                       |
| <b>STATUS:</b> EFFECTIVE  |                       |

| User             | Role                   | Revision | Decision | Date Signed                |
|------------------|------------------------|----------|----------|----------------------------|
| Jimena Calfa     | Quality Approver(s)    | 7.0      | Approve  | 02/28/2025<br>11:02 AM PST |
| Christina Porras | Additional Approver(s) | 7.0      | Approve  | 02/28/2025<br>04:48 PM PST |



## Finished Product Specification

### M2 - Turkey Tail (*Trametes versicolor*)

|                             |              |                                |   |                                       |
|-----------------------------|--------------|--------------------------------|---|---------------------------------------|
| Section: Quality Management | Item#: 50030 | Customer:<br>General Customers | Approved By/Date:<br>See signature page | Effective Date:<br>See signature page |
|-----------------------------|--------------|--------------------------------|---|---------------------------------------|

#### Product Information

|                   |  |
|-------------------|--|
| Product Name      | Organic Turkey Tail ( <i>Trametes versicolor</i> ) Mushroom Powder                                   |
| Composition       | Dehydrated, finely milled mushroom mycelial biomass cultured on Organic oats ( <i>Avena sativa</i> ) |
| Fungal Part Used  | Mycelial biomass & primordia   |
| Country of Origin | Product of USA (California)  |
| Natural           | Contains no added desiccants, colorants, fillers, or preservatives                                   |
| Allergens         | Product formulated without any of the 9 major food allergens of USA                                  |
| Storage           | Store tightly sealed in original container under ambient temperature, in a dry location              |
| Shelf Life        | 3 years from date of milling   |
| Particle Size     | ≥ 95% through 60 Mesh Screen   |
| Bulk Density      | 0.28 to 0.44 g/ml  |
| Tapped Density    | 0.59 to 0.75 g/ml  |

#### Regulatory Information



|         |  |
|---------|--|
| Organic | Certified Organic (USDA NOP Standards)                 |
| Kosher  | Certified Kosher by Earth Kosher                       |
| Non-GMO | Product is Non-GMO Verified by Food Chain Id           |
| Vegan   | Vegan Certified through VegeCert                       |
| BRCGS   | Facility is BRCGS for Food Safety Certified since 2020 |



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#### Analysis and Specifications

| Test                                   | Method  | Specification                                  |
|--|---|--|
| <b>Physical &amp; Chemical Testing</b> |   |  |
| <b>Identification</b>                  | DNA sequencing of master tissue culture, taxonomic and visual monitoring of morphology and growth metrics during growth cycle. Annual HPTLC testing on milled powder. | Complies to species positive ID specifications |
| <b>% Moisture</b>                      | Constant Weight Moisture Meter  | < 6% moisture                                  |
| <b>Gluten</b>                          | ELISA with US-RIDASCREEN Total Gluten No. R7041   | < 20 ppm                                       |
| <b>Sensory Testing</b>                 |   |  |
| <b>Appearance / Color</b>              | Organoleptic  | Brown Powder                                   |
| <b>Aroma</b>                           | Organoleptic  | Mild / Earthy                                  |
| <b>Flavor</b>                          | Organoleptic  | Slightly Bitter / Nutty / Earthy               |
| <b>Texture</b>                         | Organoleptic  | Powdery  |
| <b>Microbiological Testing</b>         |   |  |
| <b>TPC</b>                             | FDA BAM Chapter 3 or equivalent   | ≤ 10,000 cfu/g                                 |
| <b>Yeast &amp; Mold</b>                | FDA BAM Chapter 18 mod. or equivalent   | ≤ 1,000 cfu/g                                  |
| <b>Coliforms</b>                       | CMMEF Chapter 9.933 or equivalent   | ≤ 100 cfu/g                                    |
| <b>E. coli</b>                         | CMMEF Chapter 9.933 or equivalent   | < 10 cfu/g (Not Detected)                      |
| <b>Salmonella</b>                      | AOAC-RI 121501 or equivalent  | Not Detected / 25 g                            |
| <b>Listeria spp.</b>                   | AOAC-RI 061702 or equivalent  | Not Detected / 25 g                            |
| <b>Contaminants Testing</b>            |   |  |
| <b>Arsenic (As)</b>                    | ICP-MS  | ≤ 0.25 ppm                                     |
| <b>Cadmium (Cd)</b>                    | ICP-MS  | ≤ 0.1 ppm                                      |
| <b>Lead (Pb)</b>                       | ICP-MS  | ≤ 0.1 ppm                                      |
| <b>Mercury (Hg)</b>                    | ICP-MS  | Not Detected at LOQ <sup>#</sup>               |
| <b>Aflatoxins *</b>                    | US-Multitoxin LCMSMS SOP023 or equivalent   | ≤ 20 ppb                                       |
| <b>Glyphosate *</b>                    | LC-MS/MS  | ≤ 1 ppm  |
| <b>Pesticide *</b>                     | AOAC 2007.01 or USP   | Not Detected at LOQ <sup>#</sup>               |

\*Tests perform annually on finished milled powder

<sup>#</sup> Limit of Quantification

|   |              |   |   |                                       |
|---|--------------|---|---|---------------------------------------|
|  |              | <b>Finished Product Specification</b><br><br><b>M2 - Turkey Tail (<i>Trametes versicolor</i>)</b> |   |                                       |
| Section: Quality Management   | Item#: 50030 | Customer:<br>General Customers  | Approved By/Date:<br>See signature page | Effective Date:<br>See signature page |

| Packaging Specification - 20Kg box |   |
|------------------------------------|---|
| Primary Packaging                  | Material Specification  |
| Liners                             | 10kg Bag: Clear 20 x 30" 2 Mil Industrial polyethylene bags. (Item # 26000)<br>20kg Bag: Clear 18 x 16 x 40" 2 Mil Gusseted polyethylene (Item # 26010) |
| Closure                            | Metal Detectable Zip Tie 6" (Item# 26031)   |
| Cardboard Box                      | Double Wall Corrugated Box - Size 16 x 16 x 10" (Item # 26020)  |
| Label                              | See below example   |



# ORGANIC TURKEY TAIL

## MUSHROOM POWDER

Contents: Certified Organic Turkey Tail (*Trametes versicolor*) mushroom mycelial biomass and primordia cultured on Organic oats (*Avena sativa*). Dehydrated and Finely Milled.

Product of USA (California)

**Net Weight 20kg.**

Produced by M2 INGREDIENTS Inc.

Vista, CA. USA 92081

CDPH-OPPR: # 122187

Certified Organic by Organic Certifiers, Certified Kosher by Earth Kosher

**Item#: 50030**

**Lot#: ??????**

**Mfg Date: mm/yyyy**

**Best used by Date: mm/yyyy**

Store tightly sealed in original container under ambient temperature, in a dry location

Rev# 4.0