





	<b>SIGNATURE PAGE</b>
<b>RECORD ID:</b> <a href="#">GLB-FGS-0011</a>	
<b>TITLE:</b> 50070 - M2 Maitake (Grifola frondosa)	
<b>AUTHOR:</b> Jimena Calfa	
<b>STATUS:</b> EFFECTIVE	

User	Role	Revision	Decision	Date Signed
Jimena Calfa	Quality Approver(s)	5.0	Approve	02/28/2025 05:21 PM PST
Christina Porras	Additional Approver(s)	5.0	Approve	02/28/2025 04:50 PM PST

	<b>Finished Product Specification</b>  <b>M2 - Maitake (<i>Grifola frondosa</i>)</b>			
<b>Section:</b> Quality Management	<b>Item#:</b> 50070	<b>Customer:</b> General Customers	<b>Approved By/Date:</b> See signature page	<b>Effective Date:</b> See signature page

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


Regulatory Information	
<div>     </div>	
<b>Organic</b>	Certified Organic (USDA NOP Standards)
<b>Kosher</b>	Certified Kosher by Earth Kosher
<b>Non-GMO</b>	Product is Non-GMO Verified by Food Chain Id
<b>Vegan</b>	Vegan Certified through VegeCert
<b>BRCGS</b>	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>		
Identification	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
% Moisture	Constant Weight Moisture Meter	< 6% moisture
Gluten	ELISA with US-RIDASCREEN Total Gluten No. R7041	< 20 ppm
<b>Sensory Testing</b>		
Appearance / Color	Organoleptic	Brown Powder
Aroma	Organoleptic	Mild / Nutty / Earthy
Flavor	Organoleptic	Slightly Sweet / Nutty / Earthy
Texture	Organoleptic	Powdery
<b>Microbiological Testing</b>		
TPC	FDA BAM Chapter 3 or equivalent	≤ 10,000 cfu/g
Yeast & Mold	FDA BAM Chapter 18 mod. or equivalent	≤ 1,000 cfu/g
Coliforms	CMMEF Chapter 9.933 or equivalent	≤ 100 cfu/g
E. coli	CMMEF Chapter 9.933 or equivalent	< 10 cfu/g (Not Detected)
Salmonella	AOAC-RI 121501 or equivalent	Not Detected / 25 g
Listeria spp.	AOAC-RI 061702 or equivalent	Not Detected / 25 g
<b>Contaminants Testing</b>		
Arsenic (As)	ICP-MS	≤ 0.25 ppm
Cadmium (Cd)	ICP-MS	≤ 0.1 ppm
Lead (Pb)	ICP-MS	≤ 0.1 ppm
Mercury (Hg)	ICP-MS	Not Detected at LOQ <sup>#</sup>
Aflatoxins *	US-Multitoxin LCMSMS SOP023 or equivalent	≤ 20 ppb
Glyphosate *	LC-MS/MS	≤ 1 ppm
Pesticide *	AOAC 2007.01 or USP	Not Detected at LOQ <sup>#</sup>

\*Tests perform annually on finished milled powder

<sup>#</sup> Limit of Quantification

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Packaging Specification - 20Kg box	
Primary Packaging	Material Specification
Liners	10kg Bag: Clear 20 x 30" 2 Mil Industrial polyethylene bags. (Item # 26000) 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 MAITAKE

## MUSHROOM POWDER

**Contents: Certified Organic Maitake (*Grifola frondosa*)mushroom mycelial biomass 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#: 50070**
**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