

	SIGNATURE PAGE
RECORD ID: GLB-FGS-0236	
TITLE: 55160 - M2 BIOTIC™	
AUTHOR: Jimena Calfa	
STATUS: EFFECTIVE	

User	Role	Revision	Decision	Date Signed
Jessica Schmalz	Additional Approver(s)	2.0	Approve	05/07/2025 10:27 AM PDT
Jimena Calfa	Quality Approver(s)	2.0	Approve	05/09/2025 06:22 PM PDT

	Finished Product Specification M2 Biotic™			
Section: Quality Management	Item #: 55160	Customer: M2 Ingredients Product (H)	Approved By/Date: See signature page	Effective Date: See signature page

Blend Information	
Product Name	M2 Biotic™
Ingredients	A proprietary mushroom powder blend; cultured on Organic oats (<i>Avena sativa</i>): Organic Cordyceps (<i>Cordyceps militaris</i>) mycelial biomass, stroma & fruit body, Organic Lion's Mane (<i>Hericium erinaceus</i>) mycelial biomass & fruit body and Organic Reishi (<i>Ganoderma lucidum s.l.</i>) mycelial biomass & fruit body
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	2 years from the date of blending

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	Product is Vegan Certified through VegeCert
BRCGS	Facility is BRCGS for Food Safety Certified since 2020

Formulation		
Formula ID	Formula Code	Document ID
Formula ID Internal	MBB-V1	MB-MBB-V1

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Analysis and Specifications			
Test	Method	Specification	Frequency
Physical & Chemical Testing			
% Moisture	Constant Weight Moisture Meter	< 6 % moisture	Each Lot
Gluten	ELISA with US-RIDASCREEN Total Gluten No. R7041	< 20 ppm	Each Lot
Sensory Testing			
Appearance / Color	Organoleptic	Brown Powder	Each Lot
Aroma	Organoleptic	Mild / Earthy	Each Lot
Flavor	Organoleptic	Nutty / Earthy	Each Lot
Texture	Organoleptic	Powdery	Each Lot
Microbiological Testing			
TPC	FDA BAM Chapter 3 or equivalent	≤ 100,000 cfu/g	Each Lot
Yeast & Mold	FDA BAM Chapter 18 mod. or equivalent	≤ 10,000 cfu/g	Each Lot
Coliforms	CMMEF Chapter 9.933 or equivalent	≤ 500 cfu/g	Each Lot
E. coli	CMMEF Chapter 9.933 or equivalent	< 10 cfu/g (Not Detected)	Each Lot
Salmonella	AOAC-RI 121501 or equivalent	Not Detected / 25 g	Each Lot
Listeria spp.	AOAC-RI 061702 or equivalent	Not Detected / 25 g	Each Lot
Contaminants Testing			
Arsenic (As)	ICP-MS Instrumentation	≤ 0.25 ppm	Heavy metal test on the Single species included in the blend
Cadmium (Cd)	ICP-MS Instrumentation	≤ 0.1 ppm	
Lead (Pb)	ICP-MS Instrumentation	≤ 0.1 ppm	
Mercury (Hg)	ICP-MS Instrumentation	Not Detected at LOQ [#]	

[#] LOQ: 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








M2 Biotic™

MUSHROOM POWDER BLEND

Ingredients: A proprietary mushroom powder blend; cultured on Organic oats (Avena sativa):
Organic Cordyceps (Cordyceps militaris) mycelial biomass, stroma & fruit body, Organic Lion's Mane (Hericium erinaceus) mycelial biomass & fruit body, and Organic Reishi (Ganoderma lucidum s.l.) mycelial biomass & fruit body

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: 55160
Mfg Date: mm/yyyy

Lot#: ??????
Best used by Date: mm/yyyy

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

Rev# 2.0