

**Spiced Mocha Protein Powder Dry Mix**

**Formula10004**

**Protein Powerhouse®**

**Product Description**

This dry protein mix delivers a complex, robust mocha flavor with 18 grams of protein per serving. The addition of pea protein contributes to a smooth, creamy mouthfeel in this formulation.

**Formulation**

<b>Ingredients</b>	<b>%</b>
Whey Protein Concentrate 80 – Instant	47.288
Jianyuan Pea Protein 80%	10.00
Fine granulated sugar	15.400
Brazilian Instant Coffee	8.052
Cocoa Powder, Natural processed	5.500
Erythritol	5.000
Non-Dairy Creamer (Sunflower Oil Base)	5.000
Vanilla Cream Flavor, WONF	1.250
Fine Sea Salt	1.000
Powdered Lecithin	0.500
Cinnamon, ground	0.300
Xanthan gum, 200 mesh	0.300
Silicon Dioxide	0.200
Magnasweet® MM100	0.040
Sucralose	0.020
<b>Totals</b>	<b>100.000</b>

<b>Nutrition Facts</b>	
1 servings per container	
<b>Serving size</b>	<b>1 Serving (36g)</b>
<b>Amount Per Serving</b>	
<b>Calories</b>	<b>140</b>
% Daily Value*	
<b>Total Fat</b> 3g	<b>4%</b>
Saturated Fat 1.25g	<b>6%</b>
<i>Trans Fat</i> 0g	
<b>Cholesterol</b> 35mg	<b>12%</b>
<b>Sodium</b> 240mg	<b>11%</b>
<b>Total Carbohydrate</b> 12g	<b>4%</b>
Dietary Fiber 1g	<b>4%</b>
Total Sugars 7g	
Includes 6g Added Sugars	<b>12%</b>
<b>Protein</b> 18g	<b>36%</b>
Not a significant source of vitamin D, calcium, iron, and potassium	
*The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.	

**Drink Mix Preparation**

1. Thoroughly blend all dry ingredients.
2. Package 36 grams of flavored protein dry mix into moisture barrier packaging.

**Beverage Preparation**

1. Pour dry contents package into shaker cup.
2. Add 8-10 oz of cold water.
3. Shake until fully dissolved.

**Ingredient Statement**

Protein Blend (Whey Protein Concentrate and Pea Protein), Sugar, Brazilian Coffee, Natural Processed Cocoa, Erythritol, Sunflower Oil Powdered Creamer [Sunflower oil, corn syrup solids, sodium caseinate (a milk derivative), mono and diglycerides, dipotassium phosphate, tri-calcium phosphate, soy lecithin, tocopherols (added to protect flavor)], Contains 2% or less of Natural Flavor, Sea Salt, Lecithin, Cinnamon, Silicon Dioxide, Xanthan Gum, and Sucralose.  
**Allergens:** Milk and Soy

\* The nutritional information is derived from calculated sources.

The information contained in this formula should not be construed as recommending the use of any product in violation of any patent, or as warranties (expressed or implied) of non-infringement of its fitness for any particular purpose. Prospective purchasers are advised to conduct their own tests, studies, and regulatory review to determine the fitness of the ingredients for their particular purposes, product claims or specific applications.

Kirby & Padgett, LLC  
109 East 17<sup>th</sup> Street  
Suite 410  
Cheyenne, WY 82001

## GPAC™ Pouch Technology made with HPMC-FG Edible Film Product Sell Sheet

### HPMC-CWS FG FILM BENEFITS

- 100% Food Grade
- Low Moisture Content
- Cold Water Soluble
- No off-flavors or colors
- No change in beverage mouthfeel
- Non Animal: Suitable for Vegetarian & Vegan diets
- "Made with Organic" compliant
- FDA "GRAS" ingredients
- Allergen Free
- Gluten Free
- Dairy Free
- Sugar Free
- Printable – Edible Ink
- Reduced Carbon Footprint

### GPAC™ CONSUMER BENEFITS

- Complete Portability
- Total Convenience
- No Clumping
- Portion Control
- Easy Mixing
- 100% Food Grade
- Eco-Friendly
- Warehouse Efficiencies
- Lower Logistic Costs

This hydroxypropyl methylcellulose (HPMC) based material is the only 100% Food Grade (FG) edible film that can be formed into a GPAC™ pouch on standard packaging equipment.

- Rapidly dissolves in any cold liquid with moderate agitation significantly reducing or eliminating powder clumping.
- Easily formed into GPAC™ pouches of various sizes with limited equipment retooling
- Improved labeling over the pharma-grade films available to date.
- Zero contribution to flavor, color, or texture
- GPAC™ is appealing to users of vegetarian and vegan powders.

### Typical Film Compositional Analysis

The analysis results listed in this product bulletin are typical as measured on an "as is" basis.

Moisture (%)	4-8
Total Carbohydrate (g/100g)	28
Dietary Fiber (g/100g)	16
Protein (g/100g)	0.00
Solubility (minutes)	<5 max

### Film Roll Stock Specifications

Film Thickness Range (mil)	1-4
Width Range (in)	up to 28
Roll Length (ft) - Initially	1000
Heat Seal Temperature (°C)	125-175

### Suggested Applications

- Nutritional Powder Blends
- Functional Beverage Powder Blends
- Dairy Powder(s)
- Fiber & Other Carbohydrate Powder(s)
- Sugar(s)

### Storage Conditions

Product should be stored in sealed foil bags under dry storage conditions and should not be refrigerated or frozen.

### Ingredients Statement

Hydroxypropyl methylcellulose (HPMC), glycerin, triacetin, modified food starch, polysorbate 80, water

### Delivery System Comparison

The HPMC-FG Edible Film contains ingredients found in the similar vegetarian capsules consumed today.

Capsule 1: HPMC, water, sorbitol, silicon dioxide

Capsule 2: Pullulan polysaccharides

Capsule 3: Cellulose, triacetin

Capsule 4: Bovine gelatin, water, sodium lauryl sulfate

