

# *Health & Wellness*

## *Functional Ingredients for Foods & Beverages*

### **BIOPERINE®**

#### **BLACK PEPPER EXTRACT**

Natural Bioavailability Enhancer of Nutrients

From its earliest usage about 4000 years ago, pepper has reigned as the “King of spices” or “master spice.” GRAS determination of BioPerine® is a standardized extract prepared from the fruits of black pepper or long pepper. BioPerine® is off-white powder and the principal active ingredient of BioPerine® is piperine (>95%).



# *Health & Wellness*

## *Functional Ingredients for Foods & Beverages*



# BIOPERINE®

## **BLACK PEPPER EXTRACT**

**GRAS Self-Affirmed: April 2010**

**Use Level: Up to 15 ppm in Specified Foods**

**Safety Level: 13.32 mg/person/per day is safe**

- ✓ Baked Goods
- ✓ Breakfast Cereals
- ✓ Milk Products
- ✓ Cheese
- ✓ Egg Products
- ✓ Processed Vegetables
- ✓ Soft Candy
- ✓ Soups
- ✓ Snack Foods
- ✓ Non-alcoholic Beverages
- ✓ Imitation Dairy Products
- ✓ Hard Candy
- ✓ Chewing Gum
- ✓ Granulated Sugar
- ✓ Seasonings & Flavors

US Patent 5,536,506   US Patent 5,744,161   US Patent 5,972,382   US Patent 6,054,585  
JP Patent 3,953,513   CA Patent 2,247,467   EP Patent 0,810,868