



Statin Free
Patent Pending

Bulgarian Monascus
(STRAIN MB 1000 BG)

Pharmabul Bulgaria / KAZ International, Inc.

Description

Bulgarian Monascus (Strain MB 1000 BG) is:

A statin-free product (patent-pending), *manufactured by a new revolutionary biotechnological process of fermentation with Monascus fungi.*

100 % natural and non-toxic product *with beneficial effects on human health. The strain MB 1000 BG has been developed in specially formulated culture media.*

Physical Properties

- ✓ Appearance: *Powder*
- ✓ Color: *Purple-Red*
- ✓ Smell: *Specific*
- ✓ Solubility: *Soluble in water, oil or alcohol*
- ✓ Moisture: *Less than 6%*
- ✓ Statin Content: *None*



Activity

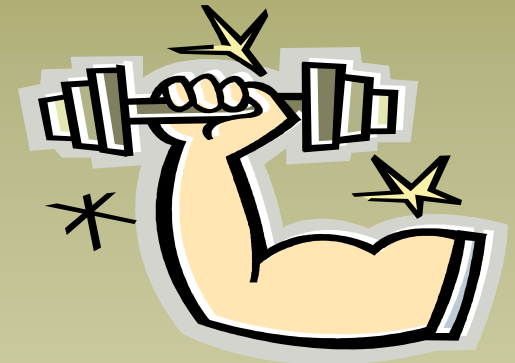


- **Total Antioxidant Activity: *1200 – 1800 U/mg***
- **Antibiotic Activities: *Negative***
- **Cytotoxicity Value on BALB/c 3T3,
clone 31 cell line (IC₅₀): *30mg/ml***
- **Antitumor Activity: *Positive***
(in vitro in breast cancer cell line MCF-7)

Application

Bulgarian Monascus (Strain MB 1000 BG) is:

- + Applicable for natural healing of cardiovascular diseases, high cholesterol (LDL and TG).***
- + Improves arterial and vein blood circulations.***
- + Improves elasticity of blood vessels walls.***
- + Supports detoxification function of the liver.***
- + Improves liver and GI tract metabolism and the reduction process in patients with Alzheimer/Parkinson group of diseases.***



Remarks: Avoid taking statin products simultaneously with Bulgarian Monascus (Strain MB 1000 BG) that could adversely affect liver functions.

Comparison with other Cholesterol Lowering Products

*Red Yeast Rice
(Chinese and Others)*

*Bulgarian Monascus
Strain MB 1000 BG*

Statin Content:

YES

NO

Citrinin Content:

YES

NO

Risks of Red Yeast Rice Application

Red Yeast Rice contains:

■ ***STATINS***

Muscle, liver and kidney damages. Risk of cancer/neuropathy, heart failure, dizziness, memory failure and depression.

■ ***CITRININ***

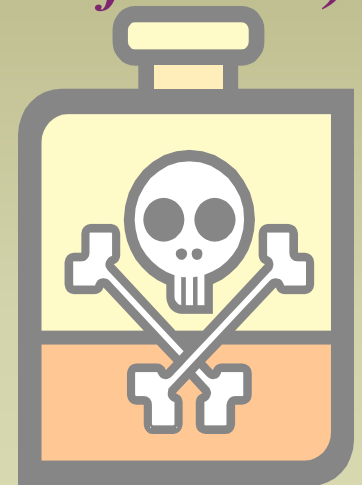
Mycotoxin (antibiotic activity, leading to adverse liver function)

Approved Statin Drugs:

Baycol (Bayer's Cerivastatin – Market Recall/Lawsuit.

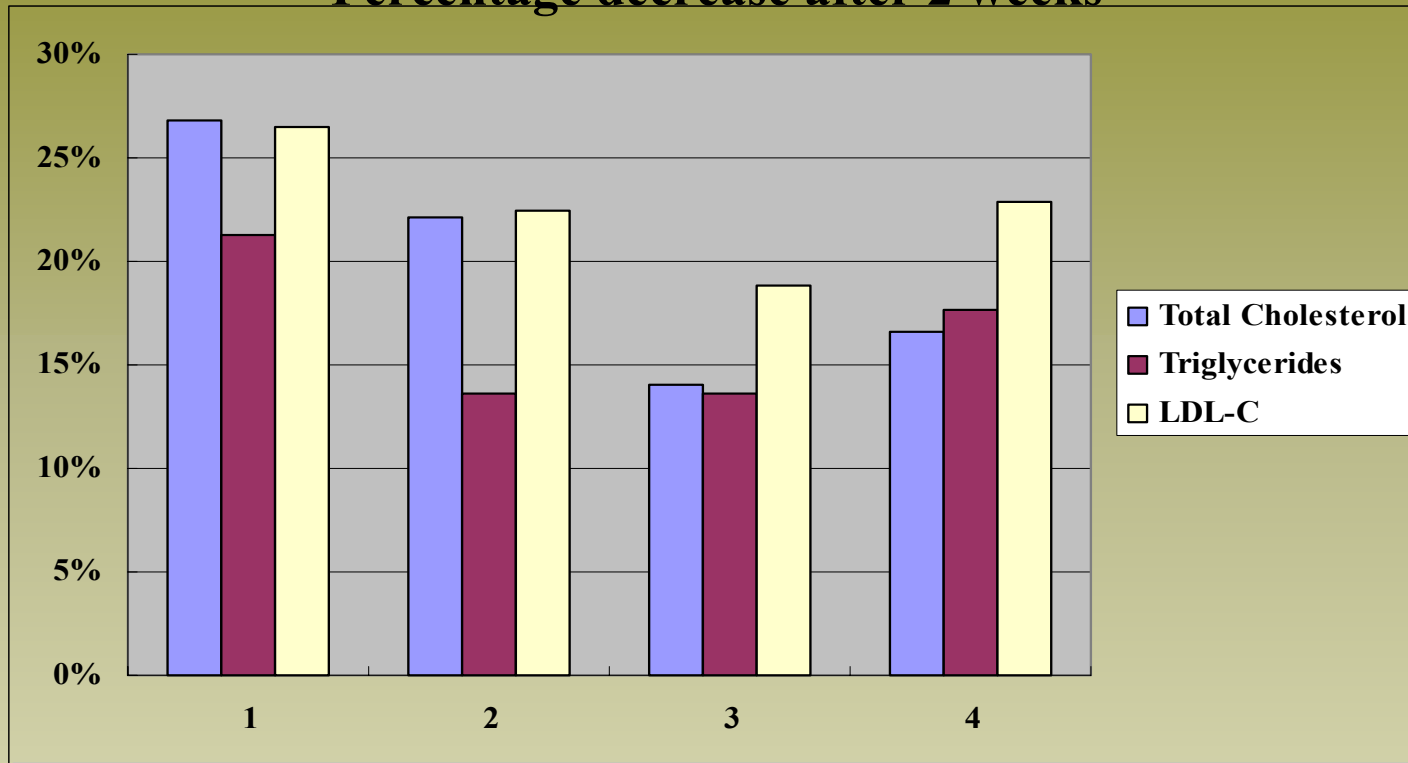
Mevacor (Lovastatin), Lipitor (Atorvastatin), etc.-

- Lawsuit against Pfizer.



Clinical Study on the effects of Bulgarian Monascus (Strain MB 1000 BG) on volunteers with cardiovascular diseases, lipid metabolism disorders and obesity (65 mg daily dosage)

Percentage decrease after 2 weeks



	TC	TG	LDL-C
Average decrease:	19.8%	16.6%	22.6%

■ ***Daily Dosage Recommendation:***

65 – 70mg (32.5 to 35 mg/capsule x 2 times daily)

Patent pending.

■ ***Toxicity:***

Non-toxic natural product ($IC_{50} = 30 \text{ mg/ml}$)

■ ***Stability and Storage:***

Shelf life is 3 years when stored in bulk at 10 to 20°C and protected from light.

■ ***Packaging:***

Substance packed in 1kg aluminum foil.

Capsules packed in plastic bottles (60 per bottle)

Reference Studies



- ✚ ***Antibacterial Activity of Bulgarian Monascus Strain MB 1000 BG***
- ✚ ***Cytotoxicity of Bulgarian Monascus Strain MB 1000 BG in BALB/c 3T3, clone 31 and CHO cell lines***
- ✚ ***Antitumor Activity of Bulgarian Monascus Strain MB 1000 BG in vitro in breast cancer cell line MCF-7***