

Magnesium

Chelate 400 mg



DESCRIPTION

Magnesium Chelate 400 mg is a nutritionally functional magnesium amino acid chelate with excellent bioavailability. Each tablet delivers 133 mg of elemental magnesium as a bis-glycinate/lysinate chelate, or 400 mg per 3 tablet serving.

FUNCTIONS

Magnesium plays an essential role in a wide range of fundamental cellular reactions. More than 300 enzymes require magnesium as a cofactor. Complexed with ATP, the main carrier of metabolic energy in the body, magnesium is essential for all biosynthetic processes, glycolysis, formation of c-AMP, energy-dependent membrane transport, transmission of genetic code for protein synthesis, and muscle function.

Of the 20-30 grams of total body magnesium, about 40% is located in muscle and other soft tissues, and the remainder in bone. The concentration of intracellular magnesium is carefully regulated, and its alterations can have profound effects on cardiac and skeletal muscle physiology.

Healthy people require about 4.5 mg of dietary magnesium per kg body weight, or 280 mg for a 62 kg female and 350 mg for a 76 kg male. The U.S. RDA is 400 mg/day.

The efficiency of magnesium absorption is a function of dietary intake. At very low intakes (less than 40 mg) 65-70% of dietary magnesium is absorbed, whereas at high intakes (1,000 mg) less than 15% is absorbed. Most people are expected to absorb about 30-60% at common levels of dietary magnesium. Contrary to common belief, recent studies suggest that magnesium absorption is not affected by calcium or vitamin D, and vice-versa. The kidney plays a critical role in magnesium homeostasis. At average magnesium intakes, the kidneys reabsorb about 95% of the filtered magnesium. Our Magnesium is a glycine/lysine chelate that is a well absorbed and highly tolerated form of magnesium.

INDICATIONS

Magnesium may be a useful nutritional adjunct for individuals who wish to increase their dietary intake of magnesium.

SIDE EFFECTS

No adverse effects have been reported.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

FORMULA (WW #10303)

3 Tablets Contain:

Magnesium (amino acid chelate)..... 400 mg
Other Ingredients: cellulose, cellulose gum, vegetable stearin, and magnesium stearate.

This product contains NO sugar, salt, dairy, yeast, wheat, gluten, corn, soy, preservatives, artificial colors or flavors.

SUGGESTED USE

Adults take three (3) tablets daily as a dietary supplement, or as directed by healthcare professional.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

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