



# MAGNESIUM BISGLYCINATE

**HIGH ABSORPTION, NO LAXATIVE EFFECT,  
AND A PERFECT TASTE PROFILE**

## **WHAT IS CHELATED MAGNESIUM BISGLYCINATE?**

The reaction of amino acids with a mineral, performed at special controlled conditions, will form a unique product, "chelate."

A chelate is a compound that contains several ligands bonded to a central mineral, in this case, magnesium and glycine as ligands. Glycine suits very well due to its small molecular size and ability to form tight and stable bonds with the metal ion at the center of the chelate. When ligands chelate a mineral, they form a protective shell around it.

Magnesium bisglycinate is a stable, highly absorbable mineral complex with the advantage of being more tolerable from a digestion point of view and more stable in dietary supplements.

## **BENEFITS**

- + Excellent **Solubility**
- + Neutral **Flavor Profile**, less metallic taste
- + Better **Flow Ability**
- + High **Absorption/Bioavailability**
- + **No Laxative** Effect

## **BISGLYCINATE VS OTHER MAGNESIUM FORMS**

Most magnesium salts are poorly absorbed; high magnesium dosages used to compensate for low bioavailability may cause laxative effects. Organic salts, like citrates, gluconates, and soluble organic complexes, like bisglycinates, have a higher bioavailability than inorganic salts. For that reason, many formulators choose Magnesium Bisglycinate due to its bioavailability and the many benefits, including not having a laxative effect.

## **PURE MAGNESIUM BISGLYCINATE VS BUFFERED MAGNESIUM CHELATE**

Not all chelated mineral powders on the market are fully reacted. Many are complexes or buffered blends with magnesium oxide or other inorganic magnesium sources, which increase mineral content to claim a higher amount on the label. Unfortunately, adding magnesium oxide causes a laxative effect, a bitter taste, low solubility, and less absorption.

Gadot can produce pure, fully reacted Magnesium Bisglycinate, which results in approximately 10% Mg source from the Dead Sea. Buffered magnesium can go up to 20%.

## PROPERTIES

- + Fully Reacted Magnesium
- + 100% Chelated
- + Purity: 10% Magnesium Content (non-buffered)
- + Made in Israel
- + Marine Origin (Dead Sea)
- + Halal Certified & Kosher Certified
- + Non GMO Project Verified

## APPLICATIONS



NUTRACEUTICALS



BEVERAGES



SPORT

## RECOMMENDED DAILY DOSE

RDA: Daily intake of at least 320 mg (female) and 420 mg (male).  
SHELF LIFE: 2 years  
PACKAGING: 20Kg PE bags in a carton box.

## FUNCTIONAL HEALTH BENEFITS:

Magnesium Bisglycinate inspires new product development for immunity, cardiovascular, and cognitive health needs:

- + Brain/Mental health/Mood support (contributes to normal psychological function)
- + Nervous system/Stress reduction/Relax/Sleep/Improved calmness
- + Promotes muscular health/Normal muscle function
- + Supports healthy bones
- + Energy/Reduction of fatigue/Revitalizing/Electrolyte balance



**Gbi** is a leading GMP manufacturer of ingredients for the Nutraceutical, Food, Beverage and Pharmaceutical industries. We are committed to providing the highest quality products and reliability of supply for our customers. Gadot has more than 50 years of experience delivering high bioavailable products including tailor-made solutions and soluble minerals.

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