



# MAGNESIUM SALTS

**Magnesium** is the fourth most abundant mineral in the human body. It is an essential mineral needed for more than 300 cofactors and is a crucial component of the adenosine triphosphate (ATP) metabolism.

Magnesium is required for DNA and RNA synthesis, reproduction, and protein synthesis. Moreover, Magnesium is essential for the regulation of muscular contraction, blood pressure, insulin metabolism, cardiac excitability, vasomotor tone, nerve transmission and neuromuscular conduction.

## GRADES

Gadot Grade	Mg %	Recommended Application
Magnesium Citrate	11.5	Dietary supplements, tablets, food fortification
Magnesium Citrate M5	11.5	Turbid beverages/dispersible, dry mixes, sachets, capsules
Magnesium Citrate Anhydrous	15-16	Clear beverages, dry mixes, dietary supplements, Sport nutrition
GadoMag+	12.5	Clear acidic beverages, effervescent tablets, dry mixes
GadoMag+8	7.5-8.5	Clear acidic beverages, effervescent tablets, dry mixes
GadoMag K	10	Dairy, milk alternatives, UHT drinks, dry mixes
Magnesium Citrate 16/18	16-18	Dietary supplements, dry mixes, capsules, tablets
Magnesium Citrate 30	30	Dietary supplements, dry mixes, capsules, tablets
Magnesium Phosphate	14	Infant formula, dietary supplements
Magnesium Phosphate M10	14	Infant formula, dietary supplements
Magnesium Gluconate	5.1-5.8	Dietary supplements, personal care, clear beverages

## FUNCTIONS

- + Fortification of Magnesium
- + Maintains healthy brain function
- + Regulates muscle contractions
- + Assists in bone health
- + Gummies Fortify
- + Tablet
- + Granular
- + Powder

## APPLICATIONS



SPORT



CONFECTIONARY



BEVERAGES



NUTRACEUTICALS



INFANT



**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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