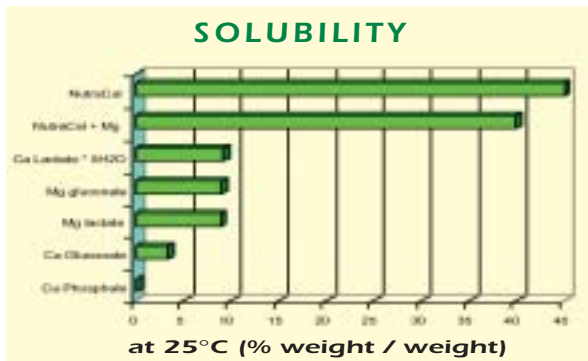




*Nutra*Cal + Mg

- *Best solution for calcium and magnesium fortification*
- *Extremely high solubility*
- *Highly bio-available*

*NUTRA*Cal



Calcium Facts:

- Calcium is the most abundant mineral in the human body.
- The body's calcium supply is totally dependent on external sources.
- Calcium is necessary for building and maintaining bones and teeth. It also plays several roles in the physiologic system.
- Calcium must be added to food in order to fulfill the body's daily requirement.
- Inadequate calcium intake is associated with osteoporosis. Recent research implies effects on oral bone loss, colon cancer, and hypertension.

Magnesium Facts:

- Magnesium is an essential mineral for human nutrition and is required by the human body in relatively large amounts.
- Magnesium is essential for the optimal function of over 300 key enzymes involved in energy transformation, protein synthesis and nucleic acid metabolism.
- Magnesium is essential for the stability and normal function of the cell membranes of excitable tissues.
- Magnesium abnormalities can have profound effects on neuromuscular transmission and cardiac conduction.

- Magnesium is necessary for the maintenance of electrolyte balance, particularly for Ca⁺⁺ and K⁺.

Recommended Intakes

National Institute of Health recommended intakes

Calcium

400-600 mg (0-12 months); 800-1500 mg (1-24 years); 1000 mg (women 25-50 years)
1000-1500 mg (postmenopausal women) and 800 mg (adult men).

Magnesium

360-410 mg (14-18 years); 310-400 mg (19-30 years); 320-420 mg (31+ years).

Main Advantages:

- Best solution for beverages
- High bioavailability
- Neutral taste
- Non-irritating to the gastrointestinal tract
- Reduction of lead toxicity

NutraGal+Mg Characteristics

Analytical Data:

Calcium (%) 6.0 - 7.0
Magnesium (%) 3.0-4.0
Moisture (%) 10.0 max.

Definition and Regulatory Information:

Definition: Food grade Calcium Magnesium Lactate Gluconate Calcium Lactate meets the requirements for additives for human consumption as described in Directive 95/2/ EC. Calcium lactate - E 327, is a direct food substance affirmed as Generally Recognized as Safe (GRAS) as described in the US 21 CFR 184.

Magnesium Gluconate complies with the requirements and purities of the FCC IV and USP 25 of the USA. In Europe, magnesium gluconate is permitted as substance that may be added for specific nutritional uses (directive 2001/15/EC) and in food supplements 2002/46/EC

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