



## PRODUCT SPECIFICATION

Product Code: 134

<b>Stabilised magnesium gluconate</b>
Food ingredient. Nutrient.

<b>Physical-chemical Properties.</b>	<b>Specification</b>
Appearance	Amorphous, fine, light, white and odourless powder. Very hygroscopic.
Solubility	In distilled water at 20 % w/w, crystalline solution.
pH solution	In distilled water at 1 % w/w: $6.8 \pm 1.0$ (5.8 to 7.8)
MAGNESIUM	As magnesium (% w/w): $4.2 \pm 0.4$ (3.8 to 4.6)
Water content	No more than 10 % w/w (Karl-Fischer)
Arsenic	No more than 2 mg/Kg
Lead	No more than 2 mg/Kg
Mercury	No more than 2 mg/Kg
Cadmium	No more than 2 mg/Kg

<b>Microbiological analysis</b>	<b>Specification</b>
Total aerobes	No more than 1000 CFU/g
Enterobacteriaceae	Absent in 1 g
Coliforms	Absent in 1 g
Yeasts and moulds	No more than 100 CFU/g

<b>Main Characteristics</b>
<ul style="list-style-type: none"><li>• Stable in the food under customary conditions of storage, distribution and use.</li><li>• High solubility in water.</li><li>• High bio-availability / physiologically available from the food.</li></ul>

<b>Main applications</b>
As Magnesium nutrient. In dietary supplements. Food fortification.

<b>Packaging</b>	Double polyethylene bag in 10-Kg cartons.
<b>Storage conditions</b>	Keep tightly closed in original container, stored in a cool (8 to 20 °C), dry, ventilated area. Away from light.
<b>Shelf life</b>	Shelf life is three (3) years from date of manufacture, when stored according to the recommended storage conditions.