

PRODUCT SPECIFICATION

Product Code: **231**

Stabilised Zinc Gluconate
Food ingredient. Nutrient.

Physical-Chemical Properties.	Specification
Appearance	White or nearly white powder, fine, free flowing and hygroscopic.
Solubility	In distilled water at 5 % w/w, translucent colourless to slightly yellow solution.
pH solution	In distilled water at 5 % w/w: 7.0 ± 1.0 (6.0 to 8.0)
ZINC	As zinc (% w/w): 11.0 ± 1.1 (9.9 to 12.1)
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

Microbiological analysis	Specification
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

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

Main applications
As Zinc nutrient. In dietary supplements. Food fortification.

Packaging	Double polyethylene bag in 10-Kg cartons or paper-bags.
Storage conditions	Keep tightly closed in original container, stored in a cool (8 to 20 °C), dry, ventilated area. Away from light.
Shelf life	Shelf life is two (2) years from date of manufacture, when stored according to the recommended storage conditions.