

PRODUCT SPECIFICATION

Product Code: 130

Ferrous Sulphate Stabilised with Vitamin C and microencapsulated.
Food ingredient. Nutrient.

Physical-chemical Properties.	Specification
Appearance	Creamy, homogenous, greenish-grey, viscous, thixotropic product. Soft characteristic smell.
pH	3.7 ± 0.5 (3.2 to 4.2)
Density	Relative to water (20 to 25°C): 1.19 ± 0.02 (1.17 to 1.21)
IRON	As iron (% w/w): 5.50 ± 0.25 (5.25 to 5.75) As iron (% w/v): 6.60 ± 0.30 (6.30 to 6.90)
Arsenic	Less than 2 mg/Kg
Lead	Less than 2 mg/Kg
Mercury	Less than 1 mg/Kg
Cadmium	Less than 1 mg/Kg

Microbiological analysis	Specification
Total aerobes	Less than 1000 CFU/g
Enterobacteriaceae	Absent in 1 g
Yeasts and moulds	Less than 100 CFU/g
Staphylococcus aureus	Absent in 1 g

Main Characteristics

- Stable in the food under customary conditions of storage, distribution and use.
- High bio-availability / physiologically available from the food.

Main applications

Nutrient: source of iron, dietary supplements, food fortification, fluid milk, powder milk, yoghurt, dairy products, dairy desserts, infant formulation, fruit concentrates.

Packaging	Plastic bottles, sealed with an PEAD – aluminium foil, with plastic cap and conveniently labelled.
Package	Carton, containing plastic bottles, secured in a plastic box (expanded polyuretane - Isolation material). Conveniently Labelled.
Storage conditions	Keep tightly closed in original container, no air chamber, stored in a fresh area (+8 °C to +15 °C), <u>Do not freeze</u> . Do not store under 6 °C.
Shelf life	Shelf life is 1 year from date of manufacture, when stored according to the recommended storage conditions.