

**NAME AND CODE****Ferrous Gluconate USP/FCC Powder**

Code 2387

**CHEMICAL FORMULA** $\text{Fe}(\text{C}_6\text{H}_{11}\text{O}_7)_2 \cdot 2\text{H}_2\text{O}$  Mol. Wt. 482.17**CAS NUMBER**

299-29-6

**USE**

Nutrient; Dietary Supplement; Pharmaceuticals

**DESCRIPTION**

Pale greenish, yellow, fine powder

**CHEMICAL SPECIFICATION**

TESTS	FCC SPECIFICATIONS	USP SPECIFICATIONS
Identification		
Test A	Pass Test	Pass Test
Test B	Pass Test	Pass Test
Assay (dry basis)	97.0-102.0%	97.0-102.0%
Arsenic (as As)		3 ppm maximum
Chloride	0.07% maximum	0.07% maximum
Ferric Iron	2.0% maximum	2.0% maximum
Lead	2 ppm maximum	10 ppm maximum
Loss on Drying	6.5-10%	6.5-10.0%
Mercury	3 ppm maximum	3 ppm maximum
Oxalic Acid	Pass Test	Pass test
Reducing Sugars	Pass Test	Pass test
Sulfate	0.1% maximum	0.1% maximum
Residual Solvents		Conforms
<u>Microbial Test Results</u>		
Aerobic Plate Count		1000 cfu/gm maximum
Yeast and Mold Count		100 cfu/gm maximum
Total Coliforms		Negative

**IRON CONTENT**

Anhydrous Basis	12.1 – 12.8%	12.1-12.8%
Dihydrate Basis	10.9 - 11.9%	10.9-11.9%
As- Is	10.9 - 11.9%	10.9-11.9%

**CONTAINERS**

50 kg / 110 lb. fiber drums; 25 kilogram packs EU only

**STORAGE**

Store in a clean, dry warehouse in the original unopened containers.

**REVISION DATE**

02/27/09