

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

Code 2385

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

Brown, Tan or gray to Greenish Yellow coarse granular to powder mix.

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

02/25/11