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Product Specifications

Catalogue Number	50941
Product	Ferrous gluconate, Ultra pure, Microbial tested, Aerobic Plate Count: $\leq 10^3$, Yeast and Mold Count: $\leq 10^2$ cfu/g, Total Coliforms: Negative
CAS Number	Iron(II) gluconate 6047-12-7
Molecular Formula	$C_{12}H_{22}FeO_{14} \cdot 2H_2O$
Molecular Weight	482.2
Appearance	Brown, tan or gray to greenish yellow powder
Appearance of Solution	Clear solution
Anion	Chloride (Cl ⁻) : $\leq 0.06\%$ Oxalate (C ₂ O ₄ ²⁻) : To pass test Sulfate (SO ₄ ²⁻) : ≤ 500 ppm
Cation	Ferric Iron (Fe ³⁺) : $\leq 1\%$, Barium (Ba) : To pass test, Lead (Pb) : ≤ 1.0 ppm, Arsenic (As) : ≤ 1.0 ppm, Cadmium (Cd) : ≤ 1.0 ppm, Cobalt (Co) : ≤ 25 ppm, Nickel (Ni) : ≤ 50 ppm, Vanadium (V) : ≤ 50 ppm, Mercury (Hg) : ≤ 0.1 ppm
pH	4.0 - 5.5
Reducing Sugars	Sucrose and Reducing Sugars : To pass test
Loss on Drying	5.0 - 10.5%
Identification	Test A : To pass test Test B : To pass test
Microbial test	Aerobic Plate Count : ≤ 1000 cfu/g Yeast and Mold Count : ≤ 100 cfu/g Total Coliforms : Negative
Particle Size	$\geq 100\%$ Thr' 30 mesh
Assay	97.0 - 102.0%

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Grade	FCC/GB, E579 Powder
Storage	Store at RT

For Laboratory Use Only