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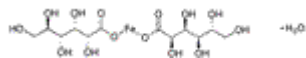
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number 32271

Product **Iron(II) D-gluconate dihydrate**

D-Gluconic acid iron(II) salt dihydrate

CAS Number 22830-45-1

Molecular Formula $C_{12}H_{22}FeO_{14} \cdot 2H_2O$

Molecular Weight 482.17

Appearance Brown, tan or gray to greenish yellow powder

Anion Chloride : $\leq 0.07\%$
Sulfate : $\leq 0.1\%$

Cation Arsenic : ≤ 3 ppm
Ferric Iron : $\leq 2.0\%$
Lead : ≤ 10 ppm
Mercury : ≤ 3 ppm

Yeast and Mold ≤ 100 cfu/g

Optical Rotation $[\alpha]_D^{25} = +3.7$ to $+9.7^\circ$ (C=1 in water)

Infrared Spectrum Conforms to structure

Reducing Sugars Passes USP standard

Loss on Drying 6.5 - 10%

Residual Solvents Conforms to USP standard

Coliform Organisms Negative

Microbial Count ≤ 1000 cfu/g (Aerobic Plate Count)

Related Substances Oxalic acid : Passes USP standard

Assay (anhydrous basis) 12.1 - 12.8%

Assay (as is) 10.9 - 11.9%

Assay by titration 97 - 102% (On dry basis)

Storage Store at RT

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For Laboratory Use Only