

PRODUCT DATA

L-Ferrous Lactate (FG)

Description

L-Ferrous lactate (FG) is the iron salt of natural L (+) lactic acid, produced by bio-fermentation from grain starch. Greenish white crystals or light green powder having a slight sweet metal smell. It is easily soluble in hot water, and practically insoluble in ethanol. The product is easily oxidized in the light, heat and air.

Information

Chemical name	Iron(II)-L(S)-2-hydroxypropionate
Molecular formula	Fe [CH ₃ CH (OH) COO] ₂ · 2H ₂ O
Molecular weight	233.99 (anhydrous)
CAS	5905-52-2
Packing	Fiber drum, net 50kg per drum

Specification (Complies with: FCC, FAO/WHO, GB)

Assay (anhydrous), %	≥96.0
Loss on drying, %	≤20
Chloride (as Cl), %	≤0.1
Iron (III) (Fe), %	≤0.5
Sulphates (as SO ₄), %	≤0.1
pH (1→50)	5.0~6.0
Lead (Pb), mg/kg	≤1
Arsenic (as As), mg/kg	≤3
Stereochemical purity, %, L/(L+D)×100	≥97.0