

F0893II Gold Line

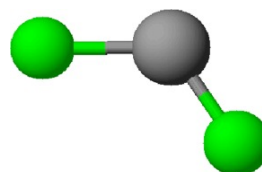
tetrahydrate

Typical analysis

Assay	min 99%
Arsenic (As)	0.0005%
Calcium (Ca)	0.005%
Copper (Cu)	0.002%
Iron salts (Ferric)	0.5%
Lead (Pb)	0.001%
Magnesium (Mg)	0.005%
Potassium (K)	0.005%
Sodium (Na)	0.005%
Sulphate (SO ₄)	0.01%
Zinc (Zn)	0.003%

Packaging

500g white plastic jar

**Physical properties, composition and data**

Chemical formula	FeCl ₂ ·4H ₂ O or Cl ₂ Fe·4H ₂ O
Chemical group	Chlorides
Synonym	Iron chloride; Iron dichloride; Iron protochloride
Occurance in nature	In the Earth's crust in the mineral lawrencite
Atomic weight	198.81
Appearance	Pale green to blue-green crystals or crystalline powder
Solubility	Soluble in water, alcohol, acetone. Slightly soluble in benzene
Melting point	674°C
Boiling point	1023°C
Density (g/ml)	1.93
Other information	Very hygroscopic
Hazardous material	Irritant

Laboratory preparation, applications and practices

Laboratory preparation	Action of hydrochloric acid on excess of iron with subsequent crystallization
Usage	Analytical reagent. Reducing agent

Storage and handling information

Safety phrases	26-28
Risk phrases	22-36/38
Disposal methods	3

Transport regulations

Tariff code	2827.33.90
Hazardous class	8
Packing group	III
UN number	3260

