

I1179NN	Gold Line
metal wire	
Typical analysis	
Assay	99.9%

Packaging
100g white plastic jar

I1182NN	Gold Line
fine powder	
Typical analysis	
Assay	min 99%
Arsenic (As)	0.0005%
Copper (Cu)	0.01%
Insoluble in HCl	0.5%
Lead (Pb)	0.002%
Manganese (Mn)	0.1%
Nickel (Ni)	0.05%
Sulphide (S)	0.1%

Packaging
500g white plastic jar

I1180NN	Gold Line
metal filings	
Typical analysis	
Assay	99%

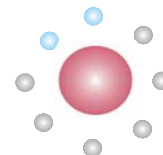
Packaging
500g white plastic jar

I1183CC	Platinum Line
1000ppm solution	
Warranty certificate	
Metal content guaranteed within 0.5% of the nominal value. Solution containing 1000ppm iron w/v in 1N HNO ₃	

Packaging
500ml clear plastic bottle

I1181NN	Platinum Line
reduced powder	
Warranty certificate	
Assay	min 99%
Arsenic (As)	0.0005%
Copper (Cu)	0.01%
Insoluble in HCl	0.5%
Lead (Pb)	0.002%
Manganese (Mn)	0.1%
Nickel (Ni)	0.05%
Sulphide (S)	0.01%
Water-soluble matter	0.1%
Zinc (Zn)	0.005%

Packaging
500g white plastic jar



Physical properties, composition and data

Chemical formula	Fe
Valence	2 & 3, seldom 1, 4 & 6
Periodic table	Element No. 26
Synonym	Ferrum
Chemical group	Transition metals
Solution mixture	Solution: Ferric nitrate and nitric acid
Occurrence in nature	In the Earth's crust in ores such as hematite, magnetite, limonite and siderite
Atomic weight	55.85
Weight per litre	Solution: 1.001kg
Appearance	Silvery-white to grayish black
Miscibility	Miscible with concentrated hydrochloric or sulphuric acid
Melting point	Solid: 1535°C and Solution: -4°C
Boiling point	Solid: 3000°C
Density (g/ml)	Solid: 7.86 and Solution: 1.02
pH (aqueous solution)	Solution: 0.5
Incompatible substances	Dilute mineral and organic acids
Hazardous material	Solution: Corrosive

Laboratory preparation, applications and practices

Laboratory preparation	Store away from incompatible substances
Usage	Tracer studies. Spectrophotometry
Filter paper	Filtech no: 0222, 0225, 1839

Storage and handling information

Safety phrases	Solution 26
Risk phrases	Solution 36/38
Disposal methods	3

Transport regulations

Tariff code	Solid: 7205-29-00 and Solution: 3822.00.00
Hazardous class	Solution: 8
Packing group	II
UN number	1760