

M1350FF	Gold Line
fine powder	
Typical analysis	
Assay	min 99.5%
Calcium (Ca)	0.02%
Chlorides (Cl)	0.02%
Copper (Cu)	0.005%
HCl - insoluble matter	0.05%
Iron (Fe)	0.05%
Lead (Pb)	0.01%
Manganese (Mn)	0.015%
Nickel (Ni)	0.001%
Zinc (Zn)	0.003%

Packaging

100g white plastic jar
250g white plastic jar

M1355FF	Gold Line
ribbon	
Typical analysis	
Assay	99.5%
Copper (Cu)	0.005%
HCl - insoluble matter	0.05%
Iron (Fe)	0.05%
Lead (Pb)	0.01%

Packaging

25g reel

M1357CC	Platinum Line
1000ppm solution	
Warranty certificate	
Metal content guaranteed within 0.5% of the nominal value. Solution containing 1000ppm magnesium w/v in approximately 1N HNO ₃	

Packaging

500ml clear plastic bottle

Physical properties, composition and data

Chemical formula	Mg
Valence	2
Periodic table	Element No. 12
Chemical group	Metals
Occurrence in nature	In the Earth's crust in ores such as magnesite and dolomite, found in sea water and in the animal and vegetable kingdom
Atomic weight	24.31
Weight per litre	1.03kg
Appearance	Silvery white/grey metal. Clear solution
Solubility/miscibility	Metal soluble in acids. Solution miscible with water, acids
Melting point	651°C
Boiling point	1100°C
Density (g/ml)	Metal: 1.738 and Solution: 1.03
pH (aqueous solution)	0.5
Hazardous material	Metal: Flammable

Laboratory preparation, applications and practices

Laboratory preparation	By reduction of magnesium oxide with ferrosilicon
Usage	In metallurgy, as deoxidizing and desulphurizing agent, for Grignard reagents, in the recovery of titanium and flame testing
Filter paper	Filtech no: 0222, 0225, 1839

Storage and handling information

Storage	Store in a dry, fireproof place separated from acids and other incompatible substances
Safety phrases	7/8-43
Risk phrases	11-15-17
Disposal methods	3

Transport regulations

Tariff code	Metal: 8104.90.10 Solution: 2834-29-90
Hazardous class	Metal: 4.1 and Solution: 8
Packing group	Metal: III and Solution: I
UN number	1760
ERG number	138

