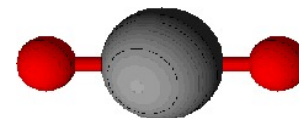


M1419NN	Gold Line
Typical analysis	
Assay	85%
HCl - insoluble matter	4%
Lead (Pb)	0.005%

M1420NN	Platinum Line
Warranty certificate	
Assay (Oxidimetric)	min 90%
HCl - insoluble matter	3.5%
Iron (Fe)	0.5%
Loss on drying (105°C)	0.3%
Silicon dioxide (SiO ₂)	3%



Packaging
500g black plastic jar

Packaging
500g black plastic jar

Physical properties, composition and data

Chemical formula	MnO ₂
Synonym	Black manganese oxide; Manganese (IV) oxide; Manganese binoxide; Manganese peroxide; Manganese superoxide; Battery manganese
Chemical group	Oxides
Occurrence in nature	In the Earth's crust in the mineral pyrolusite
Atomic weight	86.94
Appearance	Black crystals or powder
Solubility	Slowly soluble in cold hydrochloric acid
Melting point	Decomposes at 535°C
pH (aqueous solution)	5.026
Incompatible substances	Hypophosphites, organic materials, phosphides, sulphur and sulphides
Hazardous material	Oxidizer

Laboratory preparation, applications and practices

Laboratory preparation	By electrolysis; by heating manganese oxide in the presence of oxygen; by decomposition of manganese nitrate
Usage	Analytical reagent

Storage and handling information

Storage	Store separated from incompatible, combustible substances, reducing agents and hydrochloric acid
Safety phrases	25
Risk phrases	20/22
Disposal methods	3

Transport regulations

Tariff code	2820.10.00
Hazardous class	5.1
Packing group	II
UN number	1479

