

P215000 Gold Line

crystals

Typical analysis

Assay	99%
Chloride and chlorate (Cl)	0.005%
Loss on drying (105°C)	0.5%
Sulphate (SO ₄)	0.03%
Water-insoluble matter	0.5%

Packaging

100g black plastic jar
500g black plastic jar
5kg white plastic bucket

P2156NN Platinum Line
Warranty certificate

Standardised against sodium oxalate
(self indicating)

Packaging

glass amber ampoule

P215100 Platinum Line

crystals

Warranty certificate

Assay (Oxidimetric)	min 99.5%
Arsenic (As)	0.0001%
Chloride and chlorate (Cl)	0.001%
Iron (Fe)	0.002%
Lead (Pb)	0.003%
Loss on drying (105°C)	max 0.2%
Nitrogen compounds (N)	0.005%
Sulphate (SO ₄)	0.02%
Water-insoluble matter	0.02%

Packaging

500g black plastic jar
5kg white plastic bucket

P2155NN Platinum Line

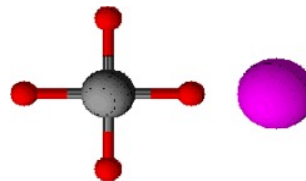
0.1N (0.02N) solution

Warranty certificate

Standardised against sodium oxalate
(self indicating)

Packaging

500ml amber glass bottle
2.5l amber glass bottle


Physical properties, composition and data

Chemical formula	KMnO ₄
Synonym	Condy's crystals; Permanganic acid potassium salt
Atomic weight	158.04
Chemical group	Permanganates
Appearance	Dark metallic purple crystals. Dark purple aqueous solution
Solubility/miscibility	Water
Melting point	240°C
Boiling point	Decomposes
Density (g/ml)	Powder: 2.7032 and Solution: 1.01
pH (aqueous solution)	7 - 9
Incompatible substances	Ethanol, arsenites, bromides, iodides, hydrochloric acid, charcoal, organic substances, ferrous or mercurous salts, hypophosphates, sulphites, peroxides, oxalates
Other information	Solution deteriorates by natural causes
Hazardous material	Crystals: Oxidizer

Laboratory preparation, applications and practices

Laboratory preparation	In concentrated form (ampoule), make contents up to 1 litre with distilled water, rinsing the ampoule in the process
Usage	Crystals: By oxidation of the manganate in an alkaline electrolytic cell Analytical reagent
Filter paper	Filtech no: 0222, 0225, 1838

Storage and handling information

Storage	Store in an isolated cool dry place separated from light and incompatible substances
Safety phrases	60 - 61
Risk phrases	8-22-50/53
Disposal methods	3

Transport regulations

Tariff code	2841.60.10
Hazardous class	5.1
Packing group	Powder: II
UN number	1490
ERG number	140

Powder

