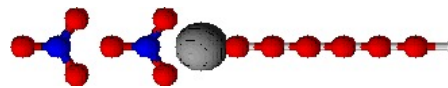


**C0555II** Platinum Line

hexahydrate

**Warranty certificate**

Assay (Complexometric)	min 98%
Calcium (Ca)	0.005%
Chloride (Cl)	0.005%
Iron (Fe)	0.005%
Lead (Pb)	0.002%
Nickel (Ni)	0.1%
Potassium (K)	0.01%
Sodium (Na)	0.05%
Sulphate (SO <sub>4</sub> )	0.02%
Zinc (Zn)	0.02%
Water-insoluble matter	0.01%

**Packaging**

100g white plastic jar  
500g white plastic jar

**Physical properties, composition and data**

Chemical formula	Co(NO <sub>3</sub> ) <sub>2</sub> ·6H <sub>2</sub> O or CoN <sub>2</sub> O <sub>6</sub> ·6H <sub>2</sub> O
Chemical group	Nitrates
Synonym	Cobalt II nitrate; Cobalt nitrate
Atomic weight	291.03
Appearance	Red deliquescent powder or crystals
Solubility	Soluble in water (1330g/l at 20°C) and most organic solvents
Melting point	55°C
Boiling point	74°C then decomposes, turning green
Density (g/ml)	1.87
pH (aqueous solution)	4
Incompatible substance	Organic materials
Products of decomposition	Cobalt oxide
Hazardous material	Irritant

**Laboratory preparation, applications and practices**

Laboratory preparation	Action of nitric acid on metallic cobalt, cobalt oxide, hydroxide or carbonate, with subsequent crystallization
Usage	Analytical reagent
Filter paper	Filtech no: no: 0285, 1803

**Storage and handling information**

Storage	Keep container well closed and in a cool place separated from incompatible, combustible substances and reducing agents
Safety phrases	22-24-36/37
Risk phrases	21/22-40-43
Disposal methods	22
Caution	Contact with organic materials may cause fire

**Transport regulations**

Tariff number	2834.29.10
Hazardous class	5.1
Packing group	II
UN number	1477
ERG number	140
ECB number	233-402-1

