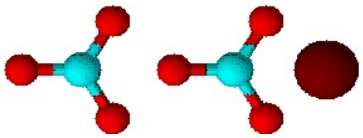
cupric nitrate

cas 10031-43-3

C0610II	Gold Line
trihydrate	
Typical analysis	
Assay	98%
Chloride (Cl)	0.01%
Iron (Fe)	0.01%
Sulphate (SO_4)	0.005%

C0611II	Platinum Line
trihydrate	
Warranty certificate	
Assay (Oxidimetric)	min 99%
Arsenic (As)	0.0001%
Chloride (Cl)	0.001%
Iron (Fe)	0.005%
Lead (Pb)	0.001%
Magnesium (Mg)	0.002%
Nickel (Ni)	0.001%
Potassium (K)	0.005%
Sulphate (SO_4)	0.003%
Water-insoluble matter	0.003%
Zinc (Zn)	0.001%



Packaging
500g white plastic jar

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500g white plastic jar

Physical properties, composition and data

Chemical formula	$Cu(NO_3)_2.3H_2O$ or $CuN_2O_6.3H_2O$
Chemical group	Nitrates
Synonym	Copper dinitrate; Copper II nitrate
Atomic weight	241.60
Appearance	Blue, deliquescent crystals or plates
Solubility	Soluble in water (2670g/l at 200°C), ether, ethyl acetate, dioxane and alcohol
Melting point	114.5°C
Boiling point	170°C then decomposes
Density (g/ml)	2.32
pH (aqueous solution)	3.0 - 4.0
Incompatible substances	Combustible materials
Other information	Hygroscopic
Hazardous material	Irritant

Laboratory preparation, applications and practices

Laboratory preparation	By treating copper or copper oxide with nitric acid. The solution is evaporated and product recovered by crystallization
Usage	Analytical reagent and catalyst for organic reactions
Filter paper	Filtech no: no: 0285, 1803

Storage and handling information

Storage	Keep container well closed in a dry place separated from incompatible, combustable substances and reducing agents
Safety phrases	17-22
Risk phrases	8-22
Disposal methods	3
Caution	Contact with combustible materials may cause fire

Transport regulations

Tariff number	2834.29.00
Hazardous class	5.I
Packing group	II
UN number	1477
ERG number	140