

## C0615NN Gold Line

pentahydrate

### Typical analysis

Assay	98.5%
Chloride (Cl)	0.05%
Iron (Fe)	0.02%

### Packaging

500g white plastic jar  
5kg white plastic bucket

## C0616NN Platinum Line

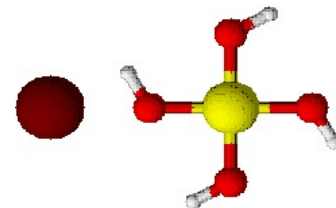
pentahydrate

### Warranty certificate

Assay	99 - 100.5%
Arsenic (As)	0.0005%
Chloride (Cl)	0.01%
Iron (Fe)	0.003%
Lead (Pb)	0.01%
Loss on drying (250°C)	35 - 36.5
Magnesium (Mg)	0.005%
Nickel (Ni)	0.005%
Potassium (K)	0.02%
Sodium (Na)	0.02%

### Packaging

500g white plastic jar



### Physical properties, composition and data

Chemical formula	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ or $\text{CuO}_4\text{S} \cdot 5\text{H}_2\text{O}$
Chemical group	Sulphates
Synonym	Blue copperas; Blue stone; Blue vitriol; Copper II sulphate; Copper monosulphate; Roman vitriol; Salzburg vitriol
Occurrence in nature	In the Earth's crust in the mineral chalcantite
Atomic weight	249.69
Appearance	Blue or ultramarine crystals, granules or light blue powder
Solubility	Soluble in water (203g/l at 200°C) and methanol
Melting point	30°C then loses water
Boiling point	560°C then decomposes
Density (g/ml)	2.29
pH (aqueous solution)	3.5 - 4.5
Incompatible substances	Finely powdered metals
Products of decomposition	Sulphur oxides
Other information	Hygroscopic and efflorescent

### Laboratory preparation, applications and practices

Laboratory preparation	Action of dilute sulphuric acid on copper or copper oxide with evaporation and crystallization
Usage	Analytical reagent. Flotation agent
Filter paper	Filtech no: no: 0285, 1803

### Storage and handling information

Storage	Keep container well closed separated from moisture and incompatible substances
Safety phrases	22-60-61
Risk phrases	22-36/38-50/53
Disposal methods	3

### Transport regulations

Tariff number	2833.25.00
Hazardous class	9
Packing group	III
UN number	3077
ERG number	171

