

**C0420FF Gold Line**

metal granular

**Typical analysis**

Assay	min 99.5%
Arsenic (As)	0.0002%
Chloride (Cl)	0.05%
Copper (Cu)	0.0003%
Iron (Fe)	0.0002%
Lead (Pb)	0.0007%
Potassium (K)	0.005%
Sodium (Na)	0.005%
Zinc (Zn)	0.0002%

**Packaging**

100g white plastic jar  
500g white plastic jar

**C0422CC Platinum Line**

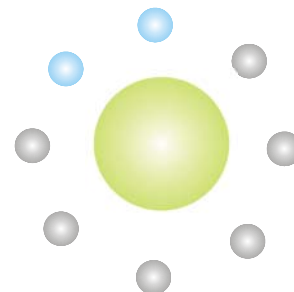
1000ppm solution

**Warranty certificate**

Solution containing 1000ppm calcium w/v in approximately 1N HNO<sub>3</sub>. Metal content guaranteed within 0.5% of nominal value

**Packaging**

500ml clear plastic bottle



**Physical properties, composition and data**

Chemical formula	Ca
Valence	2
Periodic table	Element No. 20
Occurrence in nature	Calcium compounds in the Earth's crust and sea water, limestone, chalk, marble, bones, shells and teeth
Solution mixture	Calcium nitrate and nitric acid
Atomic weight	40.08
Weight per litre	Solution: 1.02
Appearance	Lustrous silver-white surface acquiring a bluish-grey tarnish when exposed to moist air. Clear solution
Solubility/miscibility	Solids soluble in liquid ammonia, making a blue solution. Solution miscible with water and ethanol
Melting point	850°C
Boiling point	1440°C
Melting point	Solution: -4°C
Density (g/ml)	Metal: 1.57 and Solution: 1.03
pH (aqueous solution)	Solution: 0.5
Incompatible substances	Water, strong acids, strong reducing agents
Other information	Burns with a crimson flame
Hazardous material	Granular flammable and solution corrosive

**Laboratory preparation, applications and practices**

Laboratory preparation	Electrolysis of calcium chloride
Usage	Analytical reagent. Solution for spectrophotometry
Filter paper	Filtech no: 0222, 0225, 1839

**Storage and handling information**

Storage	Keep container tightly closed in a dry place separated from incompatible substances
Safety phrases	Powder: 8-24/25-43 and solution: 26
Risk phrases	Powder: 15 & Solution 36/38
Disposal methods	12
Caution	Explosive in contact with alkali hydroxides or carbonates

**Transport regulations**

Tariff number	Granular: 2805.21.00	Solution: 2834.29.90
Hazardous class	4.3	8
Packing group	II	II
UN number	1401	1760
ERG number	138	154



Solution

