

S2385TC Gold Line

Typical analysis	
Assay	99.5%
Chloride (Cl)	0.001%
Iron (Fe)	0.001%
Lead (Pb)	0.001%
Sulphate (SO ₄)	0.001%
Solubility	to pass test

Packaging

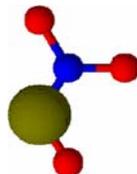
25g black plastic jar
50g black plastic jar
100g black plastic jar
500g black plastic jar

S2390TC Platinum Line

Warranty certificate	
Assay (Argentometric)	min 99.8%
Chloride (Cl)	0.0005%
Copper (Cu)	0.0005%
Iron (Fe)	0.0002%
Lead (Pb)	0.002%
Sulphate (SO ₄)	0.002%
Water-insoluble matter	0.002%

Packaging

50g black plastic jar
100g black plastic jar
500g black plastic jar

**S2393TT Platinum Line**

0.1N (0.1M) solution	
Warranty certificate	
Standardised with potassium chromate indicator against sodium chloride	
Packaging	
500ml amber glass bottle	
2.5l black plastic bottle	

S2395NN Platinum Line

N/10 (0.1M) solution	
Warranty certificate	
Standardised with potassium chromate indicator against sodium chloride	

Packaging

glass ampoule

Physical properties, composition and data

Chemical formula	AgNO ₃
Synonym	Argentous nitrate
Chemical group	Nitrates
Atomic weight	169.87
Weight per litre	1.01kg
Appearance	Colourless crystals. Clear, colourless solution
Solubility/miscibility	Water, glycerol, acetone, ammonia water
Melting point	212°C
Boiling point	Crystals decompose at 440°C, solution at 100°C
Density (g/ml)	Crystals 4.35 and solution 1.01
pH (aqueous solution)	Crystals 5.4 - 6.4 and solution 4 - 6
Incompatible substances	Alkalis, antimony salts, arsenites, bromides, carbonates, chlorides, ferrous salts, hypophosphites, iodides, oils, thiocyanates, morphine salts, creosote, phosphate, tannic acid, tartrates, vegetable decoctions and extracts
Other information	Turns gray to black on exposure to light and deteriorates by natural causes
Hazardous material	Corrosive

Laboratory preparation, applications and practices

Laboratory preparation	Add ampoule to distilled water and make contents up to 1L while rinsing the ampoule
Usage	Silver is dissolved in dilute nitric acid and the solution evaporated. The residue is heated to a dull red heat to decompose any copper nitrate, dissolved in water, filtered and re-crystallized
Filter paper	Crystals: analytical reagent and solution for titrations Filtch no: 0222, 0225, 1839

Storage and handling information

Storage	Keep container tightly closed, protected from light and separated from incompatible substances and ammonia
Safety phrases	Crystals 26-45-60-61 and solution 60-61
Risk phrases	Crystals 34-50/53 and solution 52/53
Disposal methods	13

Transport regulations

Tariff code	Crystals 2843.21.00 and solution 2843.21.00
Hazardous class	Crystals 5.1 and solution 8
Packing group	Crystals II and solution II
UN number	Crystals 1493 and solution 1760
ERG number	Crystals 140 and solution 140
ECB number	231-853-9

