

**T2870NN Gold Line**

fine powder

**Typical analysis**

Assay 99.5%

**Packaging**

100g white plastic jar

**T2871NN Platinum Line**

granular (mossy)

**Warranty certificate**

Assay	min 99.9%
Arsenic (As)	0.0001%
Copper (Cu)	0.002%
Iron (Fe)	0.005%
Lead (Pb)	0.005%
Sulphur	0.002%
Zinc (Zn)	0.005%

**Packaging**

500g white plastic jar

**T2872CC Platinum Line**

1000ppm solution

**Warranty certificate**Metal content guaranteed within 0.5% of the nominal value. Solution containing 1000ppm lead w/v in approx 1N HNO<sub>3</sub>**Packaging**

500ml clear plastic bottle

**Physical properties, composition and data**

Chemical formula	Sn
Valence	2 & 4
Periodic table	Element No. 50
Synonym	Stannum
Occurrence in nature	In the Earth's crust in the ore cassiterite
Liquid mixture/solution	Tin chloride and nitric acid
Atomic weight	118.69
Weight per litre	1.083
Appearance	Silver white powder, granules or pieces. Colourless solution
Solubility/miscibility	Soluble in/miscible with sulphuric or hydrochloric acids
Melting point	Granular 231.90 °C and solution: -4 °C
Boiling point	2362 °C
Density (g/ml)	Granular 7.31 and solution: 1.02
pH (aqueous solution)	Solution: 1
Products of decomposition	Brittle at 200 °C and at -40 °C crumbles to a gray amorphous powder
Hazardous material	Solution: corrosive

**Laboratory preparation, applications and practices**

Usage	For tin-plating, soldering alloys, manufacturing tin salts
Filter paper	Filtech no: 0222, 0225, 1839

**Storage and handling information**

Storage	Keep container tightly closed separated from strong acids, oxidants and powdered sulphur
Safety phrases	Solution: 26
Risk phrases	Solution: 36/3738
Disposal methods	Solid: 3 and Solution: 4

**Transport regulations**

Tariff code	Granular: 8005.20.00 and Solution: 3822.00.00
Hazardous class	Solution: 8
Packing group	Solution: III
UN number	Solution: 1760
ERG number	Solution: 154

