

S2740CC Gold Line

98%

Typical analysis

Assay	98%
Arsenic (As)	0.0003%
Chloride (Cl)	0.0003%
Iron (Fe)	0.00005%
Lead (Pb)	0.0005%
Nitrate (NO ₃)	0.0003%
Residue on ignition	0.01%

Packaging

500ml clear plastic bottle
2.5l clear plastic bottle
25l black plastic drum

S2741CC Platinum Line

98%

Warranty certificate

Assay	min 98%
Arsenic (As)	0.00004%
Chloride (Cl)	0.0003%
Iron (Fe)	0.0001%
Lead (Pb)	0.0002%
Nitrate (NO ₃)	0.00002%
Residue on ignition	0.001%

Packaging

500ml clear plastic bottle
2.5l clear plastic bottle
25l black plastic drum

**S2745CC Platinum Line**

95-97%

Warranty certificate

Assay	95 - 97%
Arsenic (As)	0.000001%
Calcium (Ca)	0.00002%
Chloride (Cl)	0.00001%
Copper (Cu)	0.000001%
Iron (Fe)	0.00001%
Magnesium (Mg)	0.000005%
Lead (Pb)	0.000002%
Nickel (Ni)	0.000002%
Nitrate (NO ₃)	0.00002%
Potassium (K)	0.00001%
Sodium (Na)	0.00005%
Zinc (Zn)	0.000005%

Packaging

500ml clear plastic bottle
2.5l clear plastic bottle
25l black plastic drum

Physical properties, composition and data

Chemical formula	H ₂ SO ₄ or H ₂ O ₄ S
Chemical group	Acids
Synonym	Oil of vitriol; hydrogen sulphate
Solution	Sulphuric acid and water
Atomic weight	98.08
Appearance	Clear, colourless to very slight yellowish, oily liquid
Odour	Sulphurous
Miscibility	Miscible with water, ethanol with evolution of heat
Melting point	112.8°C
Boiling point	330°C
Flash point	168 - 207°C
Ignition point	261°C
Density (g/ml)	1.8355
pH (aqueous solution)	1
Incompatible substances	Organic materials, metals, metal salts
Hazardous material	Corrosive
Other information	Hygroscopic

Laboratory preparation, applications and practices

Laboratory preparation	In concentrated form (ampoule), make contents up to 1l with distilled water rinsing the ampoule in the process Sulphuric acid can be made by the "Cat -Ox" process and from gypsum (calcium sulphate)
Usage	Analytical reagent
Filter paper	Filtech No. 0222, 0225, 1839

Storage and handling information

Storage	Keep container tightly closed and store separated from all substances
Safety phrases	26-30-45
Risk phrases	35
Disposal methods	1
Caution	Avoid skin contact. Wear protective clothing. Add the acid to the diluent, never the reverse

Transport regulations

Tariff code	2807.00.00
Hazardous class	8
Packing group	11
UN number	1830
ERG number	137

