

**B0254TC Gold Line****Typical analysis**

Assay	min 99.9%
Chloride (Cl)	0.05%
Iodine (I)	0.0001%
Lead (Pb)	0.0002%
Non-volatile residue	0.01%
Sulphur compounds (S)	0.003%
Water (H <sub>2</sub> O)	0.03%

**Packaging**

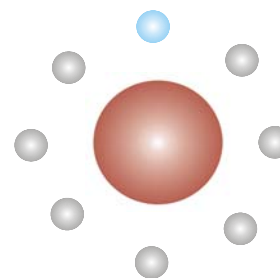
100ml amber glass bottle

**B0254TT Gold Line**

water

**Packaging**

100ml amber glass bottle

**Physical properties, composition and data**

Chemical formula	Br <sub>2</sub>
Periodic table	Element No.35
Chemical group	Halogens
Valence	2 to 7
Occurrence in nature	A halogen in ingenous rock and sea water (Dead Sea) with natural isotopes
Mixture	Saturated, aqueous bromine solution
Atomic weight	159.82
Weight per litre	3.11kg
Appearance	Dark, reddish-brown, volatile liquid, suffocating odour
Miscibility	Miscible with alcohol, ether, chloroform, carbon disulphide, con HCL solutions of bromides HCL solutions & water (35.5g/l at 200°C)
Melting point	- 7.25°C
Boiling point	58.8°C
Incompatible substances	Alkali hydroxides, Arsenites, Hypophosphites, Ferrous and Mercurous salts
Other information	Vapourises rapidly at room temperature
Hazardous material	Toxic and corrosive

**Laboratory preparation, applications and practices**

Laboratory preparation	From seawater and natural brines by oxidation of bromine salts with chlorine
Usage	Analytical and organic synthesis reagent

**Storage and handling information**

Storage	Keep sealed and avoid contact with skin. Store in a cool, dry place equipped with floor ventilation, separated from incompatible substances
Safety phrases	Bromine: 7/9-26-45-61 or Bromine water: 26-45
Risk phrases	Bromine: 26-35-50 or Bromine water: 23-36/38
Disposal methods	8
Caution	May ignite combustibile and organic materials

**Transport regulations**

Tariff code	2801.30.90
Hazardous class	Bromine: 8 or Bromine water 8
Packing group	Bromine: 8.1 or Bromine water: II
UN number	Bromine: 1744 or Bromine water: 2922
ERG number	154
ECB number	231-778-1

