

H1140CC	Gold Line
50% (200 volumes)	
<b>Typical analysis</b>	
Assay	50%
Arsenic (As)	0.0005%
Chloride (Cl)	0.005%
Iron (Fe)	0.0001%
Lead (Pb)	0.0001%
Phosphate (PO <sub>4</sub> )	0.05%
Residue on evaporation	0.03%
Sulphate (SO <sub>4</sub> )	0.005%

Packaging
500ml clear plastic bottle
2.5l clear plastic bottle

H1142CC	Gold Line
30% (100 volumes)	
<b>Typical analysis</b>	
Assay	30%
Arsenic (As)	0.0005%
Chloride (Cl)	0.01%
Iron (Fe)	0.0001%
Lead (Pb)	0.0001%
Phosphate (PO <sub>4</sub> )	0.05%
Residue on evaporation	0.03%
Sulphate (SO <sub>4</sub> )	0.005%

Packaging
500ml clear plastic bottle
2.5l clear plastic bottle

H1143CC	Platinum Line
30% (100 volumes)	
<b>Warranty certificate</b>	
Assay	min 30%
Arsenic (As)	0.0005%
Chloride (Cl)	0.005%
Iron (Fe)	0.0001%
Lead (Pb)	0.0001%
Nitrate (NO <sub>3</sub> )	0.002%
Phosphate (PO <sub>4</sub> )	0.05%
Residue on evaporation	0.005%
Sulphate (SO <sub>4</sub> )	0.005%

Packaging
500ml clear plastic bottle
2.5l clear plastic bottle

#### Physical properties, composition and data

Chemical formula	H <sub>2</sub> O <sub>2</sub>
Synonym	Hydrogen dioxide solution; Hydroperoxide solution
Chemical group	Peroxides
Atomic weight	34.01
Weight per litre	50% = 1.19kg and 30% = 1.11kg
Odour	Disagreeable odour
Miscibility	Miscible with water and ethanol
Appearance	Colourless, clear solution
Boiling point	107°C
Density (g/ml)	1.11
pH (aqueous solution)	2 - 4
Incompatible substances	Alkalis, ammonia and their carbonates, albumin, alkali citrates, balsam peru, charcoal, gold salts, hypophosphites, iodides, lime water, mercurous, organic matter, permanganates, phenol, sulphites, tinctures
Hazardous material	Corrosive and organic peroxide

#### Laboratory preparation, applications and practices

Laboratory preparation	By heating selenium and hydrogen in a sealed tube at 440°C
Usage	Analytical reagent. Bleaching agent in foods
Filter paper	Filtech no: 0222, 0225, 1839

#### Storage and handling information

Storage/handling	Keep container tightly closed and store separated from incompatible, combustible substances and reducing agents
Safety phrases	3-28-36/39-45
Risk phrases	34
Disposal methods	8

#### Transport regulations

Tariff code	2847.00.00
Hazardous class	5.1
Packing group	II
Secondary risk	8
UN number	2014
ERG number	140

