

H1125TC Gold Line

48%

Typical analysis

| | |
|------------------------------|---------|
| Assay | 48% |
| Chloride (Cl) | 0.001% |
| Iron (Fe) | 0.0001% |
| Lead (Pb) | 0.0001% |
| Phosphate (PO ₄) | 0.0005% |
| Residue on evaporation | 0.002% |
| Sulphate (SO ₄) | 0.001% |

Packaging

 500ml clear plastic bottle
 2.5l clear plastic bottle

H1127TC Gold Line

40%

Typical analysis

| | |
|------------------------------|---------|
| Assay | 40% |
| Chloride (Cl) | 0.001% |
| Iron (Fe) | 0.0001% |
| Lead (Pb) | 0.0001% |
| Phosphate (PO ₄) | 0.0005% |
| Residue on ignition | 0.002% |
| Sulphate (SO ₄) | 0.001% |

Packaging

2.5l clear plastic bottle

H1126TC Platinum Line

48%

Warranty certificate

| | |
|------------------------------|-----------|
| Assay | min 48% |
| Arsenic (As) | 0.000005% |
| Calcium (Ca) | 0.00005% |
| Chloride (Cl) | 0.0001% |
| Copper (Cu) | 0.000002% |
| Iron (Fe) | 0.0002% |
| Lead (Pb) | 0.000005% |
| Magnesium (Mg) | 0.0002% |
| Phosphate (PO ₄) | 0.00005% |
| Potassium (K) | 0.00001% |
| Residue on ignition | 0.0005% |
| Sulphate (SO ₄) | 0.002% |
| Zinc (Zn) | 0.000005% |

Packaging

 500ml clear plastic bottle
 2.5l clear plastic bottle
 5l clear plastic bottle

H1128TC Platinum Line

40%

Warranty certificate

| | |
|------------------------------|-----------|
| Assay | min 40% |
| Arsenic (As) | 0.000005% |
| Calcium (Ca) | 0.00005% |
| Copper (Cu) | 0.000002% |
| Chloride (Cl) | 0.0001% |
| Iron (Fe) | 0.00002% |
| Lead (Pb) | 0.000005% |
| Magnesium (Mg) | 0.00002% |
| Phosphate (PO ₄) | 0.00005% |
| Potassium (K) | 0.00001% |
| Residue on ignition | 0.0005% |
| Sulphate (SO ₄) | 0.0002% |
| Zinc (Zn) | 0.000005% |

Packaging

 500ml clear plastic bottle
 2.5l clear plastic bottle

Physical properties, composition and data

| | |
|-------------------------|---|
| Chemical formula | HF |
| Synonym | Fluohydric acid, hydrogen fluoride solution |
| Chemical group | Fluorides |
| Mixture | Hydrogen fluoride gas in water |
| Atomic weight | 20.01 |
| Weight per l | 48% = 1.16kg and 40% = 1.14kg |
| Appearance | Colourless or almost colourless fuming, mobile liquid |
| Solubility | Soluble in water, alcohol, benzene, toluene. Slightly in ether |
| Melting point | -44°C |
| Boiling point | 112°C |
| Density (g/ml) | 1.13 |
| pH (aqueous solution) | Very acidic |
| Incompatible substances | Glass, stoneware, silicates, silica, carbonates, bicarbonates, phosphates |
| Hazardous material | Toxic and corrosive |

Laboratory preparation, applications and practices

| | |
|------------------------|--|
| Laboratory preparation | Distillation of calcium fluoride with sulphuric acid |
| Usage | In analytical work to determine silicone dioxide |
| Filter paper | Glass microfibre |

Storage and handling information

| | |
|------------------|---|
| Storage/handling | Store in a dry well ventilated place |
| Safety phrases | 7/9-26-36/37-45 |
| Risk phrases | 26/27/28-35 |
| Disposal methods | 9 |
| Caution | It attacks glassware and stoneware, dissolving the silica |

Transport regulations

| | |
|-----------------|------------|
| Tariff code | 2811.11.00 |
| Hazardous class | 8 |
| Packing group | II |
| Secondary risk | 6 |
| UN number | 1790 |
| ERG number | 158 |

