

**P1840OC Gold Line**

60%	
<b>Typical analysis</b>	
Assay	60%
Chloride (Cl)	0.0005%
Iron (Fe)	0.0005%
Lead (Pb)	0.0005%
Non-volatile matter	0.005%
Phosphate (PO <sub>4</sub> )	0.0005%
Sulphate (SO <sub>4</sub> )	0.005%

**Packaging**

500ml amber glass bottle  
2.5l amber glass bottle

**P1841OC Platinum Line**

60%	
<b>Warranty certificate</b>	
Assay	60.0 - 62.0%
Arsenic (As)	0.000005%
Calcium (Ca)	0.00005%
Chloride (Cl)	0.0003%
Copper (Cu)	0.00001%
Fluoride (F)	0.0001%
Iron (Fe)	0.0001%
Lead (Pb)	0.0001%
Potassium (K)	0.0001%
Residue on ignition	0.003%
Silicate & phosphate (as SiO <sub>2</sub> )	0.0005%
Sulphate (SO <sub>4</sub> )	0.001%
Total nitrogen (N)	0.001%

**Packaging**

500ml amber glass bottle  
2.5l amber glass bottle

**P1850OC Platinum Line**

70%	
<b>Warranty certificate</b>	
Assay	69.0 - 72.0%
Arsenic (As)	0.000005%
Calcium (Ca)	0.00005%
Chloride (Cl)	0.0003%
Copper (Cu)	0.00001%
Fluoride (F)	0.0001%
Iron (Fe)	0.0001%
Lead (Pb)	0.0001%
Potassium (K)	0.00001%
Residue on ignition	0.003%
Silicate & phosphate (as SiO <sub>2</sub> )	0.0005%
Sulphate (SO <sub>4</sub> )	0.001%
Total nitrogen (N)	0.001%

**Packaging**

500ml amber glass bottle  
2.5l amber glass bottle  
25l black plastic drum

**Physical properties, composition and data**

Chemical formula	HClO <sub>4</sub> or ClHO <sub>4</sub>
Chemical group	Perchlorates
Atomic weight	100.46
Synonym	Hydronium perchlorate
Weight per litre	1.53kg
Appearance	Clear colourless fuming, hygroscopic liquid
Miscibility	Miscible with water
Melting point	- 18°C
Boiling point	198 C
Density (g/ml)	1.668
Other information	Volatile
Hazardous material	Oxidizer and corrosive

**Laboratory preparation, applications and practices**

Laboratory preparation	Potassium perchlorate and sulphuric acid
Usage	Analytical chemistry as an oxidizer and for separation of potassium from sodium
Filter paper	Glass microfibre

**Storage and handling information**

Storage	Handle with care and keep container tightly closed in an cool isolated place separated from combustible substances and reducing agents
Safety phrases	23-26-36-45
Risk phrases	5-8-35
Disposal methods	1
Caution	May explode if dropped

**Transport regulations**

Tariff code	2811.19.90
Hazardous class	5.1
Packing group	I
UN number	1873
ERG number	141

